

Publications mentioning MovAlyzeR

Generated on 1 April 2020 using https://scholar.google.com/scholar?q=movalyzer&hl=en&as_sdt=0,3.

Add keywords to refine your search ([Tips](#)).

[PDF] [academia.edu](#)

[A paradigm for emulating the early learning stage of handwriting: Performance comparison between healthy controls and Parkinson's disease patients in drawing loop ...](#)

[R Senatore, A Marcelli](#) - Human movement science, 2019 - Elsevier

... The tablet recorded the positions (x and y coordinates) and the pressure of the pen-tip with a sampling rate of 100 Hz and a spatial resolution of 0.001 cm. The experimental procedures were set-up in **MovAlyzeR** by NeuroScript (Teulings, 2010) ...

[Cited by 6](#)

[PDF] [researchgate.net](#)

[Effects of Concurrent Manual Task Performance on Connected Speech Acoustics in Individuals With Parkinson Disease](#)

[JA Whitfield, Z Kriegel, AM Fullenkamp...](#) - Journal of Speech ..., 2019 - ASHA

... Participants were instructed to speak at a comfortable rate and loudness level as if they were having a conversation with another person. Data from the tablet were collected in **MovAlyzeR** (NeuroScript; sampling rate: 132 Hz). Experimental Protocol ...

[Cited by 1](#)

[Online signature verification based on string edit distance](#)

[K Riesen, R Schmidt](#) - International Journal on Document Analysis and ..., 2019 - Springer

... It contains 25 genuine signatures per user as well as 25 skilled forgeries, which are based on static images of the signatures to imitate. SIGCOMP-11 consists of signatures captured with Wacom Intuos3 A3 Wide USB Pen Tablet in conjunction with **MovAlyzer** collection software ...

[Cited by 3](#)

[HTML] [nih.gov](#)

[Developmental coordination disorder and dysgraphia: signs and symptoms, diagnosis, and rehabilitation](#)

[M Biotteau, J Danna, É Baudou...](#) - Neuropsychiatric ..., 2019 - ncbi.nlm.nih.gov

[Cited by 3](#)

[PDF] [ucf.edu](#)

[Draining your Brain: The Effects of Four Fatiguing Task Domains on Executive Function and Prefrontal Cortex](#)

[SA Mouloua](#) - 2019 - stars.library.ucf.edu

... (see Figure 8, Appendix A). The tablet's interface was comprised of circular targets, and participants performed a discrete aiming task wherein they pointed towards a cued target with the stylus. NeuroScript **MovAlyzeR** software was used to present stimuli. The Index of Difficulty ...

[PDF] [uevora.pt](#)

[A relação entre o desempenho motor eo desempenho visuo-motor, em crianças entre os 4 e os 6 anos](#)

[BIM Costa](#) - 2019 - dspace.uevora.pt

... Quanto às variáveis obtidas pelo **Movalyzer**, variam consoante a idade e as figuras. Conclusão: O desempenho motor apresenta relação com o desempenho visuo-motor ... As to the variables obtained by **Movalyzer**, they vary according to the age and the figures ...

[HTML] jove.com

[HTML] [Dynamic digital biomarkers of motor and cognitive function in parkinson's disease](#)

J Ryu, J Vero, RD Dobkin, EB Torres - JoVE (Journal of Visualized ..., 2019 - jove.com

This protocol offers a digitization of portions of traditional clinical tasks commonly used to measure cognition and motor control in...

[Cited by 3](#)

[PDF] researchgate.net

[PDF] [Pen Pressure: An Important Tool in Online Signature Verification](#)

D Anamika, R Kumar - 2019 - researchgate.net

... 1 Dynamic handwriting features Wacom Intuos 3 digitizer tablet **MovAlyzeR** Version 4.1 Wacom inking pen ... 8 Prototype using mathematical treatment of pen pressure patterns Wacom Intuos 4,5 Pro Inking pen Wacom Intuos Pro medium digitizer tablet **MovAlyzeR** version 6 ...

[PDF] amu.edu.pl

[Traktat Parkosza. Eksperymentalna edycja elektroniczna](#)

JS Bień - Poznańskie Studia Polonistyczne. Seria ..., 2019 - pressto.amu.edu.pl

Page 1. Poznańskie Studia Polonistyczne Seria Językoznawcza vol. 26 (46), nr 1 DOI: 10.14746/pspsj.2019.26.1.2 Janusz S. Bień Warszawa Traktat Parkosza.

Eksperymentalna edycja elektroniczna 1. Wstęp Jak wiadomo, żyjący ...

[Cited by 1](#)

[PDF] googleapis.com

[Method and apparatus for determining an indication of cognitive impairment](#)

BNS Vlaskamp, L Klaming, MF Gillies - US Patent App. 16/348,654, 2020 - Google Patents

US20200054269A1 - Method and apparatus for determining an indication of cognitive impairment - Google Patents. Method and apparatus for determining an indication

of cognitive impairment. ...

[Quantitative Motor Assessment In Parkinson's Disease \(PD\) with the **MovAlyzeR**® Digital Writing Tablet \(P3. 072\)](#)

A Pantelyat, R Freedman, S Pawlowski, A Kesari... - 2014 - AAN Enterprises

Objectives: 1) Determine what quantitative motor function test variables best distinguish between subjects with and without Parkinsonism. 2) Correlate findings from quantitative motor testing with standard measures of motor function (Unified Parkinson's Disease Rating ...

[CITATION] The association of tremor and clinical measures in persons with multiple sclerosis utilizing the **MovAlyzeR** (R) software

HM Hawks, AC Lo, JA Ruiz... - MULTIPLE ..., 2016 - ... LTD 1 OLIVERS YARD, 55 CITY ...

[CITATION] [NeuroScript Forums> NeuroScript> NEWS> Handwriting Indicates Dyskinesias in Persons at Risk for Psychosis](#)

DJ Dean, HL Teulings, M Caligiuri, VA Mittal - neuroscript.net

... The author, Hans-Leo Teulings is the owner of NeuroScript who developed and markets the **MovAlyzeR** software to record and analyze pen movements. Acknowledgements This work was supported by National Institute of Health Grants R01MH094650 to Dr. Mittal ...

[Quantitative assessment of bradykinesia in parkinson's disease \(PD\)\(P04. 192\)](#)

[A Pantelyat](#), [R Freedman](#), [S Pawlowski](#), [A Kesari...](#) - 2013 - AAN Enterprises

Skip to main content. Advertisement. Neurology.org; Journals: Neurology; Clinical Practice; Genetics; Neuroimmunology & Neuroinflammation. Collections: Subjects AZ; Residents & Fellows; Patient Pages; Translations. Podcast; CME ...

[Cited by 2](#)

[Haptic Perception of Numerosity](#)

[PK Sharma](#) - 2019 - [researchspace.auckland.ac.nz](#)

... Subjects had to enumerate the number of dots that indented their fingerpad, following which they had to respond how confident they were with their responses. Finger movements were recorded during their scans with the help of **Movalyzer** ...

[HTML] [nih.gov](#)

[Handwriting movement analyses for monitoring drug-induced motor side effects in schizophrenia patients treated with risperidone](#)

[MP Caligiuri](#), [HL Teulings](#), [CE Dean...](#) - Human movement ..., 2009 - Elsevier

... a sentence. Data were captured and analyzed using **MovAlyzeR** software. Results ... for writing. **MovAlyzeR** delivered visual cues to the examiner to instruct the participant on the next condition by showing a sample on paper. The ...

[Cited by 49](#)

[Kinematic measures of brain drawings are associated with illness perceptions in people with stroke](#)

[K Grünich](#), [V Garcia-Hoyos](#), [C Stinear...](#) - International ..., 2016 - [cambridge.org](#)

... Analysis of kinematic data (time to draw/write, drawing/writing speed, and pen pressure) was conducted using **MovAlyzeR**® software ... Analysis of drawing was performed using **MovAlyzeR**® software (Teulings and Caligiuri, 1997) ...

[Cited by 5](#)

[CITATION] Online Handwriting Recognition for Ethiopic Characters

[S Abnet](#) - 2005 - Addis Ababa University

[Effect of Visual Feedback on the Static and Kinematic Characteristics of Handwriting](#)

[M Pertsinakis](#) - Journal of Forensic Document Examination, 2017 - [jfde.org](#)

... electronic inking pen. The data was analyzed in a handwriting movement analysis software module specially designed for this research that was added to the software **MovAlyzeR** by Neuroscript LLC. Two forensic document ...

[PDF] [researchgate.net](#)

[Temporal and spatial differences between online and offline signatures](#)

[HH Harralson](#), [HL Teulings...](#) - Proceedings of the fifteenth ..., 2011 - [researchgate.net](#)

... The experiment was recorded and analyzed using NeuroScript **MovAlyzeR** V5.7 software. The sampling rate was set at 200 Hz with spatial resolution at 0.0005 cm (accuracy 0.01 cm) ... **MovAlyzeR** software was used to capture signature recordings ...

[Cited by 2](#)

[PDF] [academia.edu](#)

[Design of a neuromuscular disorders diagnostic system using human movement analysis](#)

[C O'Reilly](#), [R Plamondon](#) - 2012 11th International Conference ..., 2012 - [ieeexplore.ieee.org](#)

... Although some systems using movement analysis for medical diagnosis exists (eg **MovAlyzeR** by NeuroScript, Tempe, AZ, USA), to the knowledge of the authors, no system similar to the one described in this paper (including acquisition, model-based analyses, classification ...

[Cited by 36](#)

[Thread: Seifer \(2002\). The Telltale Hand: How Writing Reveals the Damaged Brain.](#)

[MJ Seifer - neuroscript.net](#)

FULL TEXT AND PICTURES: <http://www.dana.org/news/cerebrum/detail.aspx?id=2892> The Telltale Hand: How Writing Reveals the Damaged Brain By Marc J. Seifer About Marc J. Seifer October 01, 2002 Signing your name or scribbling a grocery list may seem a simple, mundane ...

[\[PDF\] academia.edu](#)

[Dynamic characteristics of signatures: effects of writer style on genuine and simulated signatures](#)

[L Mohammed, B Found, M Caligiuri...](#) - Journal of forensic ..., 2015 - Wiley Online Library

... **MovAlyzeR**® software was used to estimate kinematic parameters for each pen stroke ... Each sample check was positioned on a Wacom Intuos 3 digitizer tablet that was connected to a laptop computer running **MovAlyzeR**® Version 4.1 (Tempe, Arizona, USA) ...

[Cited by 14](#)

[\[PDF\] free.fr](#)

[Nonadherence to the isochrony principle in forged signatures](#)

[MP Caligiuri, LA Mohammed, B Found...](#) - Forensic science ..., 2012 - Elsevier

... Vertical stroke duration and absolute amplitude were measured for each pen stroke of the signatures using **MovAlyzeR**® software ... 2.3. Data reduction and statistical analyses. Dynamic data from each signature were collected and processed using **MovAlyzeR**® software ...

[Cited by 7](#)

[\[HTML\] efdeportes.com](#)

[\[HTML\] Estabilização de ações motoras em adultos](#)

[A de Lucena, R Gimenez](#) - efdeportes.com

... Os dados recebidos pelo computador foram processados pelo programa **Movalyzer**, versão 3.20 ... O software **Movalyzer** possibilita a análise da execução livre da tarefa, não existindo a necessidade de determinar ao executante o que é parte e o que é todo na figura ...

[\[PDF\] researchgate.net](#)

[\[PDF\] Comparison of Handwriting Kinematics in Movement Disorders and Forgery](#)

[HH Heidi, HL TEULINGS, BG FARLEY](#) - researchgate.net

... The handwritings were recorded on a digitizing tablet using Neuroscript **MovAlyzeR** software ... Handwriting models and forgeries were written on lined paper on top of the digital tablet and were recorded using Neuroscript **MovAlyzeR** software (Ver. 3.94). 2.3 Procedures ...

[\[PDF\] researchgate.net](#)

[\[PDF\] A feature based comparison of stylus and finger based signature characteristics](#)

[J Robertson, R Guest](#) - 2013 - researchgate.net

... A total of 5 signatures were captured using the **MovAlyzeR** system (Neuroscript, 2013) with each signature signed on a blank screen ... a) b) Figure 1: Signature Capture Devices Using **MovAlyzeR**, a series of 17 common global features were extracted from each signature ...

[Do children with autism and Asperger's disorder have difficulty controlling handwriting size? A kinematic evaluation](#)

[BP Johnson, JG Phillips, N Papadopoulos...](#) - Research in Autism ..., 2015 - Elsevier

... Experiments were designed and executed using **MovAlyzeR** software (Version 5.8.1; Neuroscript LCC). **MovAlyzeR** software was used to filter, segment each cursive letter I into up and down strokes and extract kinematic variables ...

[Cited by 11](#)

[\[HTML\] nih.gov](#)

[Handwriting movement kinematics for quantifying extrapyramidal side effects in patients treated with atypical antipsychotics](#)

[MP Caligiuri](#), [HL Teulings](#), [CE Dean](#), [AB Niculescu III](#)... - *Psychiatry ...*, 2010 - Elsevier

... 2.3. Kinematic variables of handwriting. Handwriting movements were quantified using a commercial digitizing tablet and **MovAlyzeR** software (NeuroScript, LLC; Tempe, AZ, USA) ... The tablet was attached to an MS Windows laptop computer running **MovAlyzeR** software ...

[Cited by 70](#)

[\[PDF\] wiley.com](#) Full View

[Handwriting analysis in Parkinson's disease: Current status and future directions](#)

[M Thomas](#), [A Lenka](#), [P Kumar Pal](#) - ... *disorders clinical practice*, 2017 - Wiley Online Library

... Teulings and Stelmach of NeuroScript developed the **MovAlyzeR**, a widely used handwriting analysis software to visualize the data and calculate of various kinematic qualities of handwriting (NeuroScript Software, Tempe, AZ) ...

[Cited by 18](#)

[\[HTML\] frontiersin.org](#)

[\[HTML\] Impairments of motor function while multitasking in HIV](#)

[SI Kronemer](#), [JA Mandel](#), [NC Sacktor](#)... - *Frontiers in human ...*, 2017 - frontiersin.org

... The task was programmed in **MovAlyzeR** v6.1 (Neuroscript LLC, Tempe, AZ, USA) ... The tablet was connected by USB to a Dell Optiplex 380 where **MovAlyzeR** was installed and recorded stylus movements along the tablet surface. Kinematic Analysis ...

[Cited by 6](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] Online signature verification using accelerometer and gyroscope](#)

[E Griechisch](#), [MI Malik](#), [M Liwicki](#) - *International Graphonomics ...*, 2013 - researchgate.net

... In another study Malik & al. (2012) presented a framework for Digital Pen Applications where the online data was collected using an Anoto digital pen 1 . In addition, software such as **MovAlyzeR** R G support movement analysis in research and professional applications ...

[Cited by 3](#)

[\[PDF\] academia.edu](#)

[Quantitative measurement of handwriting in the assessment of drug-induced parkinsonism](#)

[MP Caligiuri](#), [HL Teulings](#), [JV Filoteo](#), [D Song](#)... - *Human movement ...*, 2006 - Elsevier

... 2.3. Instrumentation. Handwriting samples were recorded using a non-inking pen on a Wacom UD 9 × 12 digitizing tablet (30 cm × 22.5 cm, sampling rate 100 Hz, RMS accuracy 0.01 cm) attached to a notebook computer running the **MovAlyzeR** software. 2.4. Procedures ...

[Cited by 87](#)

[\[PDF\] researchgate.net](#)

[A kinematic analysis of manual aiming control on euthymic bipolar disorder](#)

[GM Lage](#), [LF Malloy-Diniz](#), [FS Neves](#), [LG Gallo](#)... - *Psychiatry ...*, 2013 - Elsevier

... The manual aiming movements were quantified using a commercial digitizing tablet and the **MovAlyzeR** software (NeuroScript, LLC; Tempe, AZ, USA) ... The tablet was attached to an MS Windows laptop computer (15.4" diagonal widescreen) running the **MovAlyzeR** software ...

[Cited by 14](#)

[HTML] [nih.gov](#)

[HTML] [Standardized handwriting to assess bradykinesia, micrographia and tremor in Parkinson's disease](#)

EJ Smits, AJ Tolonen, L Cluitmans, M Van Gils... - PloS one, 2014 - ncbi.nlm.nih.gov
... The position of the pen-tip on the tablet during movement was recorded using the **MovAlyzeR** software b (Neuroscript LLC, USA) with a sampling frequency of 100 Hz. The pen had a wired connection to an operator computer where **MovAlyzeR** was installed ...

[Cited by 64](#)

[HTML] [jove.com](#)

[HTML] [Handwriting analysis indicates spontaneous dyskinesias in neuroleptic naive adolescents at high risk for psychosis](#)

DJ Dean, HL Teulings, M Caligiuri, VA Mittal - JoVE (Journal of Visualized ..., 2013 - jove.com
... Assess the participant's nicotine usage during the past month. Rate tobacco usage on a 0-5 scale with 0 = abstinent and 5 = 20+ cigarettes per day. 3. Handwriting Task. Run Neuroscript **MovAlyzeR** software with a tablet computer and a noninking pen ...

[Cited by 22](#)

[PDF] [researchgate.net](#)

[PDF] [Identifying personality traits, and especially traits resulting in violent behavior through automatic handwriting analysis](#)

J Fisher, A Maredia, A Nixon, N Williams... - Proceedings of Student ..., 2012 - researchgate.net
... bought the software and have done handwriting assessment experiments, as per fig.2. B. **MovAlyzeR** **MovAlyzeR** is used to process handwriting images ... Forensic document examiners use **MovAlyzeR** for comparisons of questioned versus known samples of handwriting ...

[Cited by 21](#)

[PDF] [sagepub.com](#)

[PDF] [Targeted aiming movements are compromised in nonaffected limb of persons with stroke](#)

CJ Ketcham, TM Rodriguez... - ... and neural repair, 2007 - journals.sagepub.com
... Experiments were designed and conducted with **MovAlyzeR** (Version 3.0) software by Neuroscript LLC **MovAlyzeR** is a movement analysis program designed to measure and analyze fine motor Aiming Movements in Persons With Stroke ...

[Cited by 19](#)

[PDF] [iastate.edu](#)

[PDF] [Characterizing Handwriting Complexity for Forensic Evaluation](#)

H Stern - 2017 - lib.dr.iastate.edu
... Page 8. After reliability: Characterizing subjective complexity • Neuroscript© **MovAlyzeR** software records kinematic variables related to time, speed and position of pen during signature • What features of a signature contribute to perceived complexity ...

[PDF] [researchgate.net](#)

[PDF] [Handwriting in children with ADHD](#)

RA Langmaid, N Papadopoulos... - Journal of Attention ..., 2014 - journals.sagepub.com
Objective: Children with ADHD–combined type (ADHD-CT) display fine and gross motor problems, often expressed as handwriting difficulties. This study aimed to ki...

[Cited by 31](#)

[Cathodal tDCS of the left posterior parietal cortex increases proprioceptive drift](#)

JR Ventura de Oliveira, MA Romano-Silva... - Journal of Motor ..., 2019 - Taylor & Francis

... For the motor task, a digitizing tablet (30 cm x 30 cm, RMS accuracy 0.01; sampling rate of 200 Hz) with a non-inking pen (WACOM Intuos 3, North Carolina, USA) and **MovAlyzer** software (Neuroscript, LLC; Tempe, AZ, USA) run in a computer attached to the tablet were used ...

[Cited by 4](#)

[HTML] [nih.gov](#)

[Association between the catechol-O-methyltransferase \(COMT\) Val158Met polymorphism and manual aiming control in healthy subjects](#)

GM Lage, DM Miranda, MA Romano-Silva, SB Campos... - PloS one, 2014 - ncbi.nlm.nih.gov

... Apparatus were identical to that used by [30]. Manual aiming movements were quantified using a commercial digitizing tablet and the **MovAlyzeR** software ... The tablet was attached to a MS Windows laptop computer running the **MovAlyzeR** software. Motor assessment ...

[Cited by 13](#)

[PDF] [academia.edu](#)

[The dynamic character of disguise behavior for text-based, mixed, and stylized signatures](#)

LA Mohammed, B Found, M Caligiuri... - Journal of forensic ..., 2011 - Wiley Online Library

... signature were collected using **Mova-lyzer** software (V. 4.1) (20). Five parameters were measured. These were duration, size, velocity, jerk (the 3rd derivative of displacement or change in acceleration), and pen pressure. This data obtained from the **Movalyzer** software were ...

[Cited by 18](#)

[PDF] [unesp.br](#)

[Change in manual dexterity of student with cerebral palsy with the use of adequate school furniture](#)

FTO Codgno, AC Bracciali... - Revista Brasileira de ..., 2018 - repositorio.unesp.br

... The tracing analysis was performed by using the **MovAlyzeR** 6.1 software. For the analysis of the data, the average of the performance for each variable in each item of furniture used was conducted ... A análise do traçado foi realizada por meio do programa **MovAlyzeR** 6.1 ...

[HTML] [nih.gov](#)

[Kinematics of signature writing in healthy aging](#)

MP Caligiuri, C Kim, KM Landy - Journal of forensic sciences, 2014 - Wiley Online Library

... Procedures involved the use of a noninking pen with a Wacom Intuos4 9x12 digitizing tablet (30 cm x 22.5 cm, sampling rate 120 Hz, RMS accuracy 0.01 cm) connected to a desktop computer running **MovAlyzeR** software (Neuroscript, LLC, Tempe, AZ) ...

[Cited by 11](#)

[PDF] [academia.edu](#)

[Do handwriting difficulties of Parkinson's patients depend on their impaired ability to retain the motor plan? A pilot study](#)

R Senatore, A Marcelli - 18th Biennial Conf. of the Int. Graphonomics ..., 2017 - academia.edu

... The experimental procedures were set-up in **MovAlyzeR** (NeuroScript LLC, Tempe, AZ, USA) ... Segmentation points were obtained through **MovAlyzer**, and were identified as the points of the ink trace corresponding to the zero crossings of the vertical velocity profile ...

[Cited by 2](#)

[PDF] [univ-antilles.fr](#)

[\[PDF\] Characteristics of Constrained Handwritten Signatures: An Experimental Investigation](#)

I Donato, G Pirlo, F Rizzi - 17th Biennial Conference of the ..., 2015 - hal.univ-antilles.fr
... 3. Experimental Results For the analysis of the experimental data, the **MovAlyzeR** suite was used. The suite contains ScriptAlyzeR™ that can transform a tablet, a mouse or a pen in a high quality system for the measurement of hand-based writing movements ...

[Cited by 4](#)

[\[HTML\] frontiersin.org](#)

[\[HTML\] Anodal transcranial direct current stimulation to the cerebellum improves handwriting and cyclic drawing kinematics in focal hand dystonia](#)

LV Bradnam, LJ Graetz, MN McDonnell... - Frontiers in human ..., 2015 - frontiersin.org
... Specialized software (**MovAlyzeR** 4.1, Neuroscript USA) was used to record handwriting and circle drawing kinematics at a sampling rate of 133 Hz with a resolution of 0.005 mm ... Kinematic analysis was performed using customized software (**MovAlyzeR** 4.1, Neuroscript USA) ...

[Cited by 52](#)

[\[PDF\] researchgate.net](#)

[Investigating the lower level demands of writing: handwriting movements interfere with immediate verbal serial recall](#)

R Tindle, MG Longstaff - Journal of Cognitive Psychology, 2016 - Taylor & Francis
... **MovAlyzeR** (Neuroscript LLC, USA) displayed the movements on a computer screen and recorded the pen movements. The participants were given a pair of headphones to listen to a pre-recorded list of words spoken by the researcher, also presented via **MovAlyzeR** ...

[Cited by 1](#)

[Explicit Aiming Strategy Decreases the Differences in Visuomotor Adaptation between Children and Young Adults](#)

K Deng, JSY Chan, JH Yan - Developmental neuropsychology, 2019 - Taylor & Francis
... The stimulus presentation and data collection were conducted via **MovAlyzeR** (<http://www.neuroscript.net/movalyzer.php>). Procedure ... Measurements and statistical analyses The raw trajectory data were filtered in **MovAlyzeR** (12 Hz low-pass filter, 1.75 Hz of sharpness) ...

[\[HTML\] scielo.br](#)

[\[HTML\] Comparison between manual aiming control and sex in different task constraints](#)

LA Fernandes, H Ugrinowisch, JRV Oliveira... - Motriz: Revista de ..., 2017 - SciELO Brasil
... Manual aiming movements were quantified using a Wacom Intuos 3 digitizing tablet (30.4 cm x 30.4 cm, RMS accuracy 0.01 cm, 200 Hz), a non-inking pen and **MovAlyzeR** software (NeuroScript, LLC; Tempe, AZ, USA). The ...

[Cited by 1](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] Handwriting in children with autism and Asperger's disorder](#)

BP JOHNSON, N PAPAPOULOS, J FIELDING - 2012 - researchgate.net
... Experiments were designed and conducted using **MovAlyzeR** (Version 5.8.1) software by Neuroscript LLC **MovAlyzeR** software was used to filter, segment each loop into up and down strokes, and extract the kinematic and temporal features (height, width and length ...

[Cited by 1](#)

[\[HTML\] scielo.br](#)

[\[HTML\] Differences in motor control of an aiming task in different group ages of the elderly](#)

LS Figueiredo, T Apolinário-Souza... - Motriz: Revista de ..., 2018 - SciELO Brasil

... The manual aiming movements were quantified using a commercial digitizing tablet and the **MovAlyzeR** software (NeuroScript, LLC; Tempe, AZ, USA) ... The tablet was attached to an MS Windows laptop computer (15.4" diagonal widescreen) running the **MovAlyzeR** software ...

[Empirical investigation of biometric, non-visible, intra-signature features in known and simulated signatures](#)

TN Dewhurst, KN Ballantyne... - Australian journal of ..., 2016 - Taylor & Francis

... Electronic data were captured using the Neuroscript **MovAlyzer** Ver. 6.6 movement analysis software ... Using the **MovAlyzer** software, signature formations were broken down into segmented components, using pen up, pen down occurrences as the ...

[Cited by 3](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] ACCEPTED VERSION](#)

JRV DE OLIVEIRA - researchgate.net

... rate of 200 Hz) with a non-inking pen (WACOM Intuos 3, North Carolina, USA) and **MovAlyzer** software (Neuroscript, LLC; Tempe, AZ, USA) run in a computer attached to the ... and NC were conducted automatically by **MovAlyzeR** software (Saltuklaroglu, Teulings, & ...

[\[PDF\] academia.edu](#)

[A kinematic analysis of the association between impulsivity and manual aiming control](#)

GM Lage, LF Malloy-Diniz, FS Neves... - Human movement ..., 2012 - Elsevier

... Apparatus. Manual aiming movements were quantified using a commercial digitizing tablet and **MovAlyzeR** software (NeuroScript, LLC; Tempe, AZ, USA) ... The tablet was attached to a MS Windows laptop computer (15.4" diagonal widescreen) running **MovAlyzeR** software ...

[Cited by 32](#)

[\[PDF\] academia.edu](#)

[Understanding macrographia in children with autism spectrum disorders](#)

BP Johnson, JG Phillips, N Papadopoulos... - Research in ..., 2013 - Elsevier

... Experiments were designed and conducted using **MovAlyzeR** (Version 5.8.1) software by Neuroscript LLC. 2.3. Data analysis. **MovAlyzeR** software (Version 5.8.1) was used to filter, segment each cursive letter l's into up and down strokes, and extract kinematic features ...

[Cited by 33](#)

[Inclusion and New Technology for Students with Learning Disorders and Attention Deficit with Hiperativity Disorder](#)

SA Capellini, GF dos Santos Liporaci... - ... Sciences & Society ..., 2018 - ojs.francoangeli.it

... In addition, there are technologies that help the analysis of writing, more precisely the analysis of manual writing that aims to estimate the parameters for each movement performed in the writing motor act, such as Neuroscript **MovAlyzeR**, which is a software that performs the ...

[Cited by 1](#)

[\[PDF\] researchgate.net](#)

[Fine motor movements while drawing during the encoding phase of a serial verbal recall task reduce working memory performance](#)

R Tindle, MG Longstaff - Acta psychologica, 2016 - Elsevier

... **MovAlyzeR** (Neuroscript LLC, USA) displayed the movements on a computer screen and recorded the pen movements. Participants listened to a pre-recorded list of words spoken by the researcher (through headphones) also presented using **MovAlyzeR** ...

[Cited by 2](#)

[\[PDF\] researchgate.net](#)

[Interaction of Perception and Action in Discrete and Continuous Rapid Aiming Tasks](#)

[S Alphonsa](#), [B Dai](#), [T Benham-Deal](#)... - *Journal of motor ...*, 2017 - Taylor & Francis

... 2017, Vol. 49, No. 5 525 Page 3. Wacom Intuos3 tablet (Wacom Technology, Portland, OR; Model: PTZ-1231W), and a software for analyzing the tapping movement on the tablet (Neuroscript **MovAlyzeR**, version 6.1; NeuroScript LLC, Tempe, AZ) using a stylus ...

[Signature dynamics in Alzheimer's disease](#)

[MP Caligiuri](#), [L Mohammed](#) - *Forensic science international*, 2019 - Elsevier

... The procedures for measuring signature dynamics involved the use of a non-inking pen and a Wacom UD 9 × 12 digitizing tablet (30 cm × 22.5 cm, sampling rate 120 Hz, RMS accuracy 0.01 cm) attached to a desktop computer running **MovAlyzeR**® 1 software ...

[\[PDF\] researchgate.net](#)

[\[PDF\] Modulation of motor cortices on manual asymmetries](#)

[LA FERNANDES](#), [H UGRINOWITSCH](#)... - *researchgate.net*

... sampling rate of 200 Hz and accuracy of 0.01 cm. A microcomputer with **MovAlyzer** software (Neuroscript, Arizona, USA) was used to control the task. We also used a ... 1954). The **MovAlyzer** software (Neuroscript, Arizona, USA) provided all performance ...

[Handwriting Movement Abnormalities in Symptomatic and Premanifest Huntington's Disease](#)

[M Caligiuri](#), [C Snell](#), [S Park](#)... - *Movement disorders ...*, 2019 - Wiley Online Library

... fixed block of 5 trials for each. Handwriting traces were recorded and processed using **MovAlyzeR**® software (Neuroscript LLC, Tempe AZ; <http://www.neuroscript.net/>) ... Handwriting samples were subjected to automatic processing and analysis using **MovAlyzer**® software ...

[\[PDF\] researchgate.net](#)

[Combined visual illusion effects on the perceived index of difficulty and movement outcomes in discrete and continuous fitts' tapping](#)

[S Alphonsa](#), [B Dai](#), [T Benham-Deal](#), [Q Zhu](#) - *Psychological research*, 2016 - Springer

... any discontinuity occurred. If any was found, that trial was redone. All raw data were digitally processed by the **MovAlyzeR**, resulting in the recorded pressure and XY coordinates of each tap on the tablet. In the continuous condition ...

[Cited by 4](#)

[\[PDF\] unesc.net](#)

[Inteligência Computacional Aplicada à Educação-Análise Qualitativa de Padrões de Escrita Cursiva: trajetória de escrita para letras e palavras](#)

[JF de Brito](#), [SM Peres](#) - *Anais SULCOMP*, 2010 - periodicos.unesc.net

... O estudo contou com as seguintes atividades: levantamento bibliográfico; discussão com especialistas; coleta dos dados, com o apoio de um tablet, e do software **MovAlyzer**®; organização e pré-processamento dos dados; codificação das RNA por meio do software Matlab® e ...

[\[PDF\] researchgate.net](#)

[Movement scaling in children with ADHD-combined type](#)

RA Langmaid, N Papadopoulos... - Journal of attention ..., 2016 - journals.sagepub.com

Objective: The aim of the study was to investigate motor performance in children with ADHD using a size-scaling handwriting task. Method: In all, 14 male childr...

[Cited by 12](#)

[Precision Constraints during Pointing with a Stylus: Implications for Fitts' Law](#)

DS McConnell - Proceedings of the Human Factors and ..., 2019 - journals.sagepub.com

... The cursor and targets were viewed on a BenQ XL2730Z monitor, set at a resolution of 2560 × 1440 with a 120Hz vertical refresh rate. Pointing trials were presented using **MovAlyzer** software (Neuroscript, LLC), which was also used to record and analyze kinematic data ...

[HTML] [nih.gov](#)

[Instrument-based assessment of motor function yields no evidence of dyskinesia in adult first-degree biological relatives of individuals with schizophrenia and ...](#)

JS Kent, MP Caligiuri, MK Skorheim, TJ Lano... - Psychiatry ..., 2019 - Elsevier

... computer. Pen movements were sampled using **MovAlyzeR** software (Neuroscript, LLC <http://www.neuroscriptsoftware.com/> Tempe, AZ, USA) with settings of 100 samples/second resulting in spatial sensitivity of 0.01 cm. Using ...

[Cited by 2](#)

[Right-sided spatial difficulties in ADHD demonstrated in continuous movement control](#)

KA Johnson, A Daibhis, CT Tobin, R Acheson... - Neuropsychologia, 2010 - Elsevier

... Data were acquired using the **MovAlyzer**® software package, on a laptop computer ... 2.4. Data analysis. The six strokes per trial were segmented automatically by identification of the minima of the absolute velocity, using the **MovAlyzer**® software package ...

[Cited by 19](#)

[Reduced graphomotor procedural learning in children and adolescents with ADHD](#)

TA Duda, JE Casey, AM O'Brien, N Frost... - Human movement ..., 2019 - Elsevier

[Cited by 3](#)

[HTML] [springeropen.com](#)

[The role of school desk on the learning of graphic skills in early childhood education in Brazil](#)

R Gimenez, R do Nascimento Soares... - ..., 2016 - springerplus.springeropen.com

The role of two different layouts of school furniture was investigated in the pattern legibility and spatial-temporal parameters of a graphic skill acquisition. Thirty children from the first grade of elementary school (mean age = 6 years) practiced a graphic task according to a criterion ...

[Cited by 3](#)

[PDF] [core.ac.uk](#)

[Standardized Handwriting to Assess Bradykinesia](#)

EJ Smits, AJ Tolonen, L Cluitmans, M van Gils... - ... and Tremor in, 2014 - core.ac.uk

... The position of the pen-tip on the tablet during movement was recorded using the **MovAlyzeR** software (Neuroscript LLC, USA) with a sampling frequency of 100 Hz. The pen had a wired connection to an operator computer where **MovAlyzeR** was installed ...

[HTML] [scielo.br](#)

[\[HTML\] Mudança na Destreza Manual do Aluno com Paralisia Cerebral Frente ao Mobiliário Escolar Adequado](#)

FTO CODGNO, AC BRACCIALLI... - Revista Brasileira de ..., 2018 - SciELO Brasil

... A análise do traçado foi realizada por meio do programa **MovAlyzeR** 6.1. Para a análise dos dados, foi realizada a média do desempenho para cada variável em cada mobiliário utilizado ... [Links]. Neuroscript (2010). **MovAlyzeR** Tutorial ...

[\[PDF\] semanticscholar.org](#)

[\[PDF\] THE CONTEXTUAL INTERFERENCE EFFECT IN THE LEARNING OF A MANUAL AIMING TASK](#)

OEDAIC NA, ADEUMA TAREFA... - pdfs.semanticscholar.org

... Instrument and task The motor task was performed on a tablet (WACOM Intuos 3, 200 Hz capture speed, with dimensions of 30 x 30 cm) controlled by **MovAlyzeR** software (Neuroscript, Tempe, AZ, USA) and connected to a microcomputer ...

[Do handwriting difficulties correlate with core symptomology, motor proficiency and attentional behaviours?](#)

N Grace, PG Enticott, BP Johnson... - Journal of autism and ..., 2017 - Springer

... Handwriting movements were recorded using a back-lit, touch-screen, WACOM graphics tablet with non-inking stylus, controlled by **MovAlyzeR** software on a laptop computer ... **MovAlyzeR** software version 6.1.0 (Neuro Script LLC) was used to filter and segment kinematic data ...

[Cited by 14](#)

[\[HTML\] scielo.br](#)

[\[HTML\] The contextual interference effect in the learning of a manual aiming task](#)

N Lelis-Torres, H Ugrinowitsch... - Journal of Physical ..., 2018 - SciELO Brasil

... Instrument and task. The motor task was performed on a tablet (WACOM Intuos 3, 200 Hz capture speed, with dimensions of 30 x 30 cm) controlled by **MovAlyzeR** software (Neuroscript, Tempe, AZ, USA) and connected to a microcomputer ...

[\[PDF\] xyzmo.com](#)

[Signature verification competition for online and offline skilled forgeries \(sigcomp2011\)](#)

M Liwicki, MI Malik, CE Van Den Heuvel... - 2011 International ..., 2011 - ieeexplore.ieee.org

... The online datasets consisted of ascii files with the format: X, Y, Z (per line) (sampling rate: 200 Hz, resolution: 2000 lines/cm, precision: 0.25 mm). For collection of these samples we used a WACOM Intuos3 A3 Wide USB Pen Tablet and collection software: **MovAlyzeR** ...

[Cited by 103](#)

[\[BOOK\] Developments in handwriting and signature identification in the digital age](#)

HH Harralson - 2012 - books.google.com

... Many of the more recent concepts concerning handwriting identification theory have been developed by researchers at LaTrobe University in Australia. I especially thank Hans-Leo Teulings, developer of **MovAlyzeR** movement analysis software system at NeuroScript, LLC ...

[Cited by 25](#)

[Are motor control and regulation problems part of the ASD motor profile? A handwriting study](#)

N Grace, BP Johnson, NJ Rinehart... - Developmental ..., 2018 - Taylor & Francis

... Apparatus and procedure Handwriting Handwriting movements were recorded using a back-lit, touch-screen, WACOM graphics tablet with non-inking stylus, controlled by **MovAlyzeR** software (version 6.1.0.0, NeuroScript Pty Ltd), on a laptop computer ...

[Cited by 36](#)

[\[HTML\] nih.gov](#)

[\[HTML\] Writing, reading, and listening differentially overload working memory performance across the serial position curve](#)

[R Tindle, MG Longstaff - Advances in Cognitive Psychology, 2015 - ncbi.nlm.nih.gov](#)

... **MovAlyzeR** (Neuroscript LLC, USA) displayed the writing on a computer screen and recorded the pen movements. The participants used headphones to listen to a pre-recorded list of words spoken by the researcher, presented via E-prime on a second computer ...

[Cited by 12](#)

[\[PDF\] semanticscholar.org](#)

[\[PDF\] Submovement analysis in learning cursive handwriting or block print](#)

[HL Teulings, DH Romero - ... of the 11 th Conference of the ..., 2003 - pdfs.semanticscholar.org](#)

... The display was vertical in front of the participant at 50 cm distance. Data were collected on a 2.5 GHz Intel4 PC with Windows XP. The recording and analysis of pen movements were done using **MovAlyzeR** (Teulings, 2003). Stimuli ...

[Cited by 10](#)

[The effects of a two-step transfer on a visuomotor adaptation task](#)

[CA Aiken, Z Pan, AWA Van Gemmert - Experimental brain research, 2017 - Springer](#)

... ViewSonic North America, Brea, CA). The **MovAlyzeR** software (NeuroScript LLC, Tempe, AZ) controlled the presentation of the targets and collected the -x and -y position data sampled by the digitizer tablet. The three goal targets ...

[电子签名笔迹时长特征和压力特征的实验研究](#)

[曾苗苗, 王相臣 - 广东公安科技, 2018 - airtilibrary.com](#)

... 分享到. 摘要. 摘要 <TOP> . 为弥补电子签名笔迹特征研究的空白,全面认识电子签名笔迹的特点,进而为电子签名笔迹检验提供理论基础,本文利用在数位板上书写的电子签名笔迹为研究对象,使用 **movalyzer** 数据分析软件提供的原始数据绘制图表. 本文主要研究电子签名笔迹的整体特点 ...

[Analysis and synthesis of handwriting movements via the enhanced beta-elliptic model](#)

[H Beziene, AM Alimi - ... Multi-Conference on Systems, Signals & ..., 2016 - ieeexplore.ieee.org](#)

... systems. We propose to compare the simulation results using the **MovAlyzer**, a computer software package developed by Hans-leo Teulings for handwriting movement analysis (Teulings & Stelmach 1991; Van Gemmert & al. 1999) ...

[Cited by 3](#)

[\[PDF\] ups-tlse.fr](#)

[Mental representation of spatial cues in microgravity: Writing and drawing tests](#)

[G Clément, C Lathan, A Lockerd, A Bukley - Acta Astronautica, 2009 - Elsevier](#)

... They were blindfolded. A digitizing tablet (Intuos A5, Wacom) was attached to their thighs by knee-straps (Fig. 1). Trajectory of the stylus pen on the tablet was recorded on a laptop computer using dedicated script analysis software (**MovAlyzeR**, NeuroScript, LLC) ...

[Cited by 6](#)

[A feature based comparison of pen and swipe based signature characteristics](#)

[J Robertson, R Guest - Human movement science, 2015 - Elsevier](#)

... gesture swiping. To facilitate this work, an experiment was created in **MovAlyzeR** to collect a dataset of pen-based and finger-based signatures and unconstrained swipe-gestures captured on a range of devices. In analyzing ...

[Cited by 11](#)

[\[PDF\] academia.edu](#)

[Differential levels of speech and manual dysfluency in adults who stutter during simultaneous drawing and speaking tasks](#)

[T Saltuklaroglu](#), [HL Teulings](#), [M Robbins](#) - *Human Movement Science*, 2009 - Elsevier

... **MovAlyzeR** 3.0 (NeuroScript, 2004) was used to run the experimental sessions, as well as record, store, and analyze the data ... 2.4. Analysis. The recordings of the continuous circles on the digitizer were analyzed using **MovAlyzeR** 3.0 software ...

[Cited by 33](#)

[Do children with ASD have difficulty handwriting under time pressure?](#)

[N Grace](#), [NJ Rinehart](#), [PG Enticott](#)... - *Research in Autism ...*, 2017 - Elsevier

... 2.2.3. Handwriting performance. Handwriting movements were recorded using a back-lit, touch-screen, WACOM CINTIQ 12 inch graphics tablet with non-inking stylus, controlled by **MovAlyzeR** software (version 6.1.0.0, NeuroScript Pty Ltd), on a laptop computer ...

[Cited by 3](#)

[\[PDF\] researchgate.net](#)

[Early braille reading as an exploratory procedure: Perceptual sensitivity to numerosity and cell content](#)

[Y Wei](#), [C Scheffer](#), [B Hughes](#) - *2014 IEEE Haptics Symposium ...*, 2014 - [ieeexplore.ieee.org](#)

... 2.1 Procedures and Stimuli Participants scanned the text using one self-selected dominant finger while wearing a lightweight finger-mounted pentip from a digitizing tablet (30.5cm x 30.5 cm, Intuos2 by Wacom), itself linked to a laboratory computer running **MovAlyzeR** v6.1, from ...

[Cited by 4](#)

[\[PDF\] researchgate.net](#)

[Handwriting variability in movement disorder patients and effects of fatigue](#)

[HH Harralson](#), [HL Teulings](#)... - *Proceedings of the ...*, 2009 - [researchgate.net](#)

... The sampling rate was 100 Hz and the accuracy of the pen-tip position was better than 0.01 cm. Recordings and analysis were prepared using NeuroScript **MovAlyzeR** software on a PC. 2.3 Procedure. Subjects were seated in front of the digital tablet ...

[Cited by 2](#)

[Limb dominance and its effects on the benefits of intralimb transfer of learning: a visuomotor aiming task](#)

[CA Aiken](#), [Z Pan](#), [AWA Van Gemmert](#) - *Journal of motor behavior*, 2015 - Taylor & Francis

... The digitizer tablet recorded the position of the pen tip (X, Y) at a sampling rate of 200 Hz with a spatial resolution of 0.0005 cm. The presentation of the conditions and collection of data were controlled by a program set up in **MovAlyzeR** (Neuro- Script LLC, Tempe, AZ) ...

[Cited by 2](#)

[The nature of bradykinesia in schizophrenia treated with antipsychotics](#)

[MP Caligiuri](#), [HL Teulings](#), [CE Dean](#), [JB Lohr](#) - *Psychiatry research*, 2019 - Elsevier

... Pen movements were recorded using a non-inking pen and Wacom 1 Intuos UD 9 x 12 digitizing tablet (30 cm x 22.5 cm, sampling rate = 100 samples/second, RMS accuracy 0.01 cm) attached to a notebook computer running **MovAlyzeR**® software ...

[\[HTML\] nih.govFull View](#)

[\[HTML\] Letter specific dysgraphia: a silent stutter](#)

[S Prasad](#), [PK Pal](#) - *Movement disorders clinical practice*, 2018 - [ncbi.nlm.nih.gov](#)

... We evaluated the kinematics of this dysgraphia and hesitancy by utilizing a digitizing tablet (Wacom Intuos PTH-860) with a non-inking stylus. Data were collected and analyzed using NeuroScript's **MovAlyzeR** (v.6.1.0.0). We ...

[Cited by 1](#)

[\[PDF\] uwindsor.ca](#)

[\[PDF\] The Automaticity and Mean Stylus Pressure Profile of Handwriting in Adults with ADHD](#)

M Demers - 2014 - scholar.uwindsor.ca

... The stylus used with the system is pressure sensitive, allowing for further measures to be recorded. **MovAlyzeR** Software created by NeuroScript, LLC, was used to collect handwriting data ... 2.6 Data Analysis A Fast Fourier Transform was performed, using the **MovAlyzeR** software ...

[\[PDF\] researchgate.net](#)

[Paper, pen and ink: An innovative system and software framework to assist writing rehabilitation](#)

L Guardati, F Casamassima, E Farella... - ... Design, Automation & ..., 2015 - ieeexplore.ieee.org

... 1473 978-3-9815370-4-8/DATE15/ cc2015 EDAA Page 2. and as a rehabilitation approach to delay and mitigate illness progression. In [6] a digitizing tablet (a Wacom device) and a research software tool (**MovAlyzeR**) were used for diagnostic purposes ...

[Cited by 3](#)

[\[PDF\] acu.edu.au](#)

[\[PDF\] The timing of eye-hand movements during signature simulations](#)

A Pepe, J Sita - 2015 - researchbank.acu.edu.au

... pen data. **MovAlyzeR** version 6.1 was used to capture digitising tablet data. A Tobii X-120 eye-tracker was attached and centered under the table facing upwards at an angle of 68° captured eye movements of subjects. The sampling ...

[\[PDF\] researchgate.net](#)

[\[PDF\] Device Design and Manufacturing for Measurement of Kinematic Specification of Hand Movement](#)

F Yousefipoor, M Mirhadi... - Majlesi Journal of Electrical ..., 2012 - researchgate.net

... Various software for analyzing hand movement including the following: • **MovAlyzeR** • ComPET • MedDraw • Extended Drawing Test (EDT) • CSWin • Oasis • Pullman spiral acquisition and analysis • Neuroskill CSWin is the first software in this field that was made in 1980s ...

[\[CITATION\] Invited Talks](#)

P Schofield, HL Teulings - 2014 14th International Conference ..., 2014 - ieeexplore.ieee.org

... USA). Since 1997 he is CEO of NeuroScript. This company's mission is to support researchers worldwide with developing handwriting applications, eg, using the **MovAlyzeR** handwriting recording and analysis platform. xxiii

[\[PDF\] iaumajlesi.ac.ir](#)

[Device Design and Manufacturing for Measurement of Kinematic Specification of Hand Movement](#)

M Mirhadi, Y Shekofteh - journals.iaumajlesi.ac.ir

... 2 Various software for analyzing hand movement including the following: • **MovAlyzeR** • ComPET • MedDraw • Extended Drawing Test (EDT) • CSWin • Oasis • Pullman spiral acquisition and analysis • Neuroskill CSWin is the first software in this field that was made in 1980s ...

[Quantification characteristics of digital spiral analysis for understanding the relationship among tremor and clinical measures in persons with multiple sclerosis](#)

[HM DeIMastro](#), [JA Ruiz](#), [ES Gromisch...](#) - *Journal of neuroscience ...*, 2018 - Elsevier ... 2006). Currently, a standardized, reproducible method to analyze tremor that is also sensitive to change does not exist. However, the **MovAlyzeR**® software is able to provide kinematic data similar to Feys and colleagues. In ...

[PDF] [up.pt](#)

[\[PDF\] Aplicação da estimulação transcraniana por corrente contínua na melhoria do desempenho manual.](#)

[LA Fernandes](#), [TA de Souza...](#) - ... de Ciências do ..., 2017 - [rpcd.fade.up.pt](#) ... INSTRUMENTOS E TAREFA MOTORA Foi utilizada uma mesa digitalizadora (WACOM Intuos, Vancouver, USA) com velocidade de captura de 200 Hz, com dimensões de 30 X 30 cm, e o software **MovAlyzer** (Neuroscript, Arizona, USA) para controle da tarefa e ...

[Cited by 2](#)

[Alzheimer's disease and mild cognitive impairment deteriorate fine movement control](#)

[JH Yan](#), [S Rountree](#), [P Massman](#), [RS Doody...](#) - *Journal of Psychiatric ...*, 2008 - Elsevier ... The spatial accuracy is 0.25 mm (resolution 2540 lines/in.). A laptop PC was connected to the digitizer for displaying and recording the handwriting movements. A **MovAlyzeR** v3.4 computer program was used for data collection, reduction, and analyses. 2 ...

[Cited by 106](#)

[HTML] [archives-pmr.org](#)

[Focal hand dystonia: individualized intervention with repeated application of repetitive transcranial magnetic stimulation](#)

[TJ Kimberley](#), [MR Borich](#), [RL Schmidt](#), [JR Carey...](#) - *Archives of physical ...*, 2015 - Elsevier ... session. Handwriting analysis. Handwriting analysis was performed using a computerized tablet, a custom modified digitized pen, b and **MovAlyzeR** hardware and software package c for data collection and analysis. Subjects ...

[Cited by 22](#)

[PDF] [academia.edu](#)

[\[PDF\] A consideration of signature complexity using simulators' gaze behaviour](#)

[A Pepe](#), [D Rogers](#), [JC Sita](#) - *Journal of Forensic Document ...*, 2012 - [academia.edu](#) ... Tobii Clearview 2.7.1 software in conjunction with the X-50 system provided a qualitative view of the areas that the subjects looked at and a quantitative analysis of gaze data. Handwriting dynamic data was analysed and extracted using **MovAlyzeR**® 5.4 software ...

[Cited by 13](#)

[Variability of kinematic graphomotor fluency in adults with ADHD](#)

[TA Duda](#), [JE Casey](#), [N McNevin](#) - *Human movement science*, 2014 - Elsevier ... A non-inking pen was used to record handwriting movements on the display. **MovAlyzeR** software (NeuroScript, 2009) was utilized to quantify handwriting movements with a maximum sampling rate of 200 Hz and x-y coordinates were low-pass filtered at 12 Hz ...

[Cited by 6](#)

[PDF] [googleapis.com](#)

[Motor phenomenon measurement](#)

[JLHM Teulings](#) - US Patent App. 12/600,464, 2010 - Google Patents

US20100152622A1 - Motor phenomenon measurement - Google Patents. Motor phenomenon measurement. ...

[Cited by 34](#)

[HTML] [springer.com](#)

[HTML] [Introduction to the special issue on the dynamics of written word production: methods, models and processing units](#)

[E Lambert](#), [P Quémart](#) - Reading and Writing, 2019 - Springer

... analyses are made possible thanks to the development of digitizing tablets associated with spatiotemporal recording software for handwriting, such as Ductus (Guinet & Kandel, 2010), Eye and Pen (Alamargot, Chesnet, Dansac, & Ros, 2006) or **MovAlyzeR**® (Neuroscript, 2018 ...

[PDF] [researchgate.net](#)

[PDF] [Stress and Motor Learning: Does the Presentation of Physical or Cognitive Stress Influence Motor Skill Acquisition?](#)

[CA Aiken](#), [SB Odom](#), [AAWA van Gemmert](#) - ... Processing Analysis: New ... - researchgate.net

... All trials were performed with a WACOM Intuos3 12×19 digitizing (48.26cm × 30.48cm) that was connected to a PC (Dell XPS 720) with a 46.99cm × 29.21cm monitor (Figure 1). A custom program created with **MovAlyzeR** (NeuroscriptSoftware, Inc.) presented the task and ...

[PDF] [academia.edu](#)

[PDF] [A Cognitive Look into Simulations of High and Low Complexity Signatures](#)

[P Avni](#), [DK ROGERS](#), [C Jodi](#) - academia.edu

... Tobii Clearview 2.7.1 software, in conjunction with the X-50 system provided a qualitative view of the areas that the subjects looked at and a quantitative analysis of gaze data. Handwriting dynamic data was analysed and extracted using **Movalyzer** 5.4 software ...

[HTML] [nih.gov](#)

[HTML] [A quantitative measure of handwriting dysfluency for assessing tardive dyskinesia](#)

[MP Caligiuri](#), [HL Teulings](#), [CE Dean](#)... - Journal of clinical ..., 2015 - ncbi.nlm.nih.gov

... Pen movements were sampled at 100 Hz with an RMS accuracy of 0.01 cm. Data acquisition and analyses (see below) were performed using **MovAlyzeR**® software (Neuroscript, LLC <http://www.neuroscriptsoftware.com/> Tempe, AZ, USA). Procedures ...

[Cited by 17](#)

[The direction of bilateral transfer depends on the performance parameter](#)

[Z Pan](#), [AWA van Gemmert](#) - Human movement science, 2013 - Elsevier

... 200 Hz and spatial resolution of 0.0005 cm. The experimental procedures were setup in **MovAlyzeR** (NeuroScript LLC, Tempe, Arizona, USA) running on a PC (Dell XPS 720). Participants were instructed to hold the pen using ...

[Cited by 19](#)

[Development of graphomotor fluency in adults with ADHD: Evidence of attenuated procedural learning](#)

[TA Duda](#), [JE Casey](#), [N McNevin](#) - Human movement science, 2015 - Elsevier

... Participants used a special non-inking pen to write on the digitizing tablet and handwriting movement variables were quantified using **MovAlyzeR** software (NeuroScript, LLC; Tempe, AZ, USA) with a maximum sampling rate of 200 Hz and x–y coordinates low-pass filtered at 12 ...

[Cited by 5](#)

[PDF] [scielo.br](#)

[O efeito da interferência contextual na aprendizagem de uma tarefa de apontamento manual](#)

N Lelis-Torres, H Ugrinowitsch... - Journal of Physical ..., 2018 - SciELO Brasil

... Instrument and task The motor task was performed on a tablet (WACOM Intuos 3, 200 Hz capture speed, with dimensions of 30 x 30 cm) controlled by **MovAlyzer** software (Neuroscript, Tempe, AZ, USA) and connected to a microcomputer ...

[PDF] [researchgate.net](#)

[Exploring the effect of training on muscle synergies and kinematics of a task](#)

M Taleshi, N Taleshi, S Dehghani... - 2016 23rd Iranian ..., 2016 - ieeexplore.ieee.org

... All performers had neither previous training nor any pre-knowledge about the task and the aim of this experiment. B. Apparatus and task We used a Wacom Intuos 3 tablet and **MovAlyzer** software, as graphic interface between the computer and trajectory data recording tablet ...

[Cited by 1](#)

[PDF] [uni-miskolc.hu](#)

[SURVEY OF SIGNATURE VERIFICATION DATABASES](#)

M Saleem, B Kővári - uni-miskolc.hu

... SigComp'11 (Dutch): consists of 1907 signatures provided by 64 signers. The signatures collected using WACOM Intuos 3 and **MovAlyzer** software with a sampling rate of 200 Hz and a resolution of 2000 line/cm. SigComp'11 (Chinese): consists of 1339 signatures ...

[PDF] [213.55.95.56](#)

[Implementation of Handwriting Recognition System for Ethiopic Character Set](#)

A Abebaw - 2007 - 213.55.95.56

... In the data collection to capture the data points that represent character patterns Neuroscript **MovAlyzer** software was used in [4, 5]. In [4] mouse is used as an input mechanism where as ... The preprocessing stage accepts the data collected by **MovAlyzer** software as an input and ...

[Cited by 5](#)

[PDF] [hawaii.edu](#)

[Derivation and Analysis of Dynamic Handwriting Features as Clinical Markers of Parkinson's Disease](#)

C Poon, N Gorji, M Latt, K Tsoi... - ... of the 52nd ..., 2019 - scholarspace.manoa.hawaii.edu

... Various C, R and Matlab-based software systems have been developed to calculate graphic and kinematic handwriting features; most are custom and study-specific with the exception of **MovAlyzeR** and CompPET [25, 33]. 2.3 Handwriting Feature Analysis ...

[Cited by 4](#)

[Variation of Spatiotemporal Arm Muscle Synergies During Drawing Spirals and Circles: Can it be Applied in the Analysis of Learning?](#)

M Taleshi, A Jafarzadeh, N Taleshi... - 2017 24th National and ... - ieeexplore.ieee.org

... The shapes are given to the subjects by the monitor, and the subject can have a visual feedback from drawn shape Fig. 1. **MovAlyzer** Software has been used in order to record drawn trajectory. To record the signal from the muscles, Myon device has been used ...

[PDF] [researchgate.net](#)

[O EFEITO DA INTERFERÊNCIA CONTEXTUAL NA APRENDIZAGEM DE UMA TAREFA DE APONTAMENTO MANUAL](#)

A TASK - researchgate.net

... Instrumento e tarefa A tarefa motora foi realizada em uma mesa digitalizadora (WACOM Intuos 3, velocidade de captura de 200 Hz, com dimensões de 30 x 30 cm) controlada pelo software **MovAlyzer** (Neuroscript, Tempe, AZ, USA) e conectada a um microcomputador ...

[Recognizing subjects who are learned how to write with foot from unlearned subjects using EMG signals](#)

[J Alizadeh, A Vahid, F Bahrami](#) - 2016 23rd Iranian Conference ..., 2016 - [ieeexplore.ieee.org](#)

... Haldenstrasse 5, 6342 Baar Switzerland with sampling frequency rate of 2000 Hz.

The digital Tablet employed in order to write named Wacom Intuos 3 connected to a personal computer running **MovAlyzer** software. B. Methods ...

[Cited by 3](#)

[\[PDF\] researchgate.net](#)

[The effects of aging on the asymmetry of inter-limb transfer in a visuomotor task](#)

[Z Pan, AWA Van Gemmert](#) - *Experimental brain research*, 2013 - Springer

... The experimental procedures were set up in **MovAlyzer** (NeuroScript LLC, Tempe, Arizona, USA) running on a PC (Dell XPS 720). Participants were instructed to mainly use their fingers and wrist to draw connecting lines between a center circle and the target circles ...

[Cited by 12](#)

[Movement kinematics of the braille-reading finger](#)

[B Hughes](#) - *Journal of Visual Impairment & Blindness*, 2011 - [journals.sagepub.com](#)

... The digitizer's 200-hertz clock speed was well in excess of the sampling rate of 100 hertz (that is, once every one-hundredth of a second). Position data were used to compute velocity and acceleration in the X (left-right) dimension (**MovAlyzer** v4.2, from Neuroscript, LLC) ...

[Cited by 30](#)

[Peripheral neuropathy reduces asymmetries in inter-limb transfer in a visuomotor task](#)

[Z Pan, AWA Van Gemmert](#) - *Laterality: Asymmetries of Body, Brain* ..., 2016 - Taylor & Francis

... Depending on the session (see below), the on-line visual feedback of the movement trajectory was distorted by rotating it 45° and changing the gain with $2\sqrt{}$. The experimental procedures were set-up in **MovAlyzer** (NeuroScript LLC, Tempe, AZ, USA) ...

[Cited by 2](#)

[A prototype of mathematical treatment of pen pressure data for signature verification](#)

[CK Li, SK Wong, LCJ Chim](#) - *Journal of forensic sciences*, 2018 - [Wiley Online Library](#)

... Genuine signature and initial specimens were collected using Wacom Intuos 4,5 Pro Inking Pen (KP 1302) and a Wacom Intuos Pro medium digitalized tablet (PTH-651) connected to a computer installed with Windows 7 and a commercial software **MOVALYZER**® version 6 ...

[Cited by 1](#)

[\[HTML\] frontiersin.org](#)

[\[HTML\] Mixed effectiveness of rTMS and retraining in the treatment of focal hand dystonia](#)

[TJ Kimberley, R Schmidt, M Chen](#)... - *Frontiers in human* ..., 2015 - [frontiersin.org](#)

... Handwriting. Digitized handwriting was assessed at each baseline, post-test and follow up visit.

Handwriting samples were collected using a computerized tablet (WACOM Co., Ltd., japan) with

MovAlyzer® (Neuroscript LLC, Tempe, AZ) hardware and software ...

[Cited by 22](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] Looking at the Ink Distribution for Assessing Writing Modalities in Forensic Handwriting Examination](#)

PIV Novembre, VG Paolo II, VR Lambruschini - [researchgate.net](#)

... between successive strokes. The handwriting samples were collected by using **MovAlyzeR**® and a Wacom Intuos 2 tablet with the ink pen, so that we have both the ink-on-paper and the electronic ink for each sample. Because the ...

[\[PDF\] academia.edu](#)

[Handwriting Analysis to Support Alzheimer's Disease Diagnosis: A Preliminary Study](#)

ND Cilia, C De Stefano, F Fontanella... - ... on Computer Analysis ..., 2019 - Springer

... The features extracted during the handwriting process have been exploited to investigate the presence of neurodegenerative diseases in the examined subjects. We used the **MovAlyzer** tool to process the handwritten trace, considering both on-paper and on-air traits ...

[Linguistic and perceptual-motor contributions to the kinematic properties of the braille reading finger](#)

B Hughes, AWA Van Gemmert, GE Stelmach - *Human Movement Science*, 2011 - Elsevier

... Temporal accuracy was limited by the digitizer's 200 Hz clock speed which was well in excess of the 100 Hz sampling rate of the location of the pen tip using **MovAlyzer** (v. 4.2, from Neuroscript, LLC) to sample and store these coordinates for subsequent analyses. 2.4 ...

[Cited by 18](#)

[\[PDF\] ergonomics.org.uk](#)

[\[PDF\] Drawing in time: time-series analysis and human action](#)

C Baber, Z Xu - [publications.ergonomics.org.uk](#)

... The marks made on the surface are displayed on a display screen positioned in front of the surface. Pen movement and pressure were recorded and summarised using software called **MovAlyzeR** (NeuroScript, USA). Further ...

[\[HTML\] oup.com](#)

[Normalizing motor cortex representations in focal hand dystonia](#)

SM Schabrun, CM Stinear, WD Byblow... - *Cerebral ...*, 2009 - [academic.oup.com](#)

Abstract. Task-specific focal dystonia is thought to have a neurological basis where stereotypical synchronous inputs and maladaptive plasticity play a role. A.

[Cited by 74](#)

[Sensitivity, reliability and the effects of diurnal variation on a test battery of field usable upper limb fatigue measures](#)

M Yung, RP Wells - *Ergonomics*, 2017 - Taylor & Francis

... Participants traced a 3-cm diameter concentric circle, 5 times consecutively, as fast and as accurately as possible in a clockwise direction. Handwriting data were analysed with commercially available **MovAlyzeR** hand- writing software (Version 6.1, NeuroScript, Tempe, AZ) ...

[Cited by 5](#)

[\[HTML\] scielo.br](#)

[\[HTML\] Value of pre-cue information for motor tasks performed by children with developmental coordination disorder \(DCD\)](#)

DT Gama, MC Ferracioli, CY Hiraga... - *Motriz: Revista de ...*, 2016 - SciELO Brasil

... The initial mark and the target mark projected on the monitor were drawn in the corresponding location on the tablet in a 1:1 ratio (Fig. 1b). The tablet was connected to a personal computer, and data were acquired using **MovAlyzer** software (NeuroScript LLC., Tempe, AZ, USA) ...

[Cited by 2](#)

[The control of amplitude and direction in a bimanual coordination task](#)

[Z Pan, AWA Van Gemmert](#) - Human movement science, 2019 - Elsevier

... The experimental procedures were programmed in **MovAlyzer** (NeuroScript LLC, Tempe, Arizona, USA) running on a PC (Dell Dimension 8400) with a customized MatLab program that was integrated to display the recorded movements after each trial ...

[Cited by 4](#)

[\[PDF\] unil.ch](#)

[Dynamic signatures: A review of dynamic feature variation and forensic methodology](#)

[J Linden, R Marquis, S Bozza, F Taroni](#) - Forensic science international, 2018 - Elsevier

[Cited by 9](#)

[\[PDF\] 213.55.95.56](#)

[\[PDF\] Writer Independent Online Handwriting Recognition for Ethiopic Characters](#)

[D Negussie](#) - 2006 - 213.55.95.56

... characters 52 Figure 5.2 The Wacom digitizer tablet used for data collection (model CTE 440 / Graphire 4 A7) 53 Figure 5.3 Neuroscript **MovAlyzer** interface 55 Figure 5.4 Sample character 'ሠ' from subject ten 56 Figure 5.5 Extra pen-up point elimination algorithm 57 ...

[Cited by 7](#)

[Can haptic feedback reduce the intermittency of slow hand movement velocities?](#)

[A Creighton, B Hughes](#) - 2017 IEEE World Haptics Conference ..., 2017 - ieeexplore.ieee.org

... At no point during the movements did the pen tip contact the raised lines. The pen tip's location was sampled at 100Hz using **MovAlyzer** (v. 6.1, from Neuroscript, LLC) to 288 Page 3. sample and store these coordinates for subsequent analyses ...

[Cited by 1](#)

[Materiais e métodos](#)

[SA Nogueira, ML da Cunha, LY Yamaga, A Osawa...](#) - researchgate.net

... explicação completa sobre o estudo. Os movimentos manuais de apontamento foram quantificados utilizando uma mesa digitalizadora Intuous 5 (Wacom) com o software **MovAlyzer** (NeuroScript). O protocolo consistiu em ...

[Efficacy of Handwriting for Heroes, a novel hand dominance transfer intervention](#)

[KE Yancosek, WJ Calderhead](#) - Hand Therapy, 2012 - journals.sagepub.com

Introduction Handwriting For Heroes is a six-week hand dominance transfer intervention for adults who sustain injuries that result in permanent loss of dominant...

[Cited by 5](#)

[\[PDF\] academia.edu](#)

[Using Handwriting Features to Characterize Cognitive Impairment](#)

[ND Cilia, C De Stefano, F Fontanella...](#) - ... Conference on Image ..., 2019 - Springer

... impairment in the examined subjects. We used the **MovAlyzer** tool ([9]) to process the handwritten trace, considering both on-paper and on-air traits and then segmenting them in elementary strokes. The feature values were ...

[\[PDF\] acotv.org](#)

[Eye movements during the handwriting of words: Individually and within sentences](#)

JC Sita, KA Taylor - Human movement science, 2015 - Elsevier

... pad. Participants wrote on A4 paper overlaid on the pad using the Wacom Intuos inking stylus. The movements of the pen tip were recorded and analyzed using **MovAlyzeR** @software (Version 6.1) (Teulings, 2003). The movement ...

[Cited by 8](#)

[\[PDF\] 213.55.95.56](#)

[Modeling Multi-Script Text Editing based on Online Handwriting Recognition](#)

D Kefale - 2008 - 213.55.95.56

Page 1. MODELING MULTI-SCRIPT TEXT EDITING BASED ON ONLINE HANDWRITING RECOGNITION BY DANIEL KEFALE TIRFIE A THESIS SUBMITTED TO THE SCHOOL OF GRADUATE STUDIES OF ADDIS ABABA UNIVERSITY IN PARTIAL ...

[Cited by 2](#)

[On the nonsmooth, nonconstant velocity of braille reading and reversals](#)

B Hughes, A McClelland, D Henare - Scientific Studies of Reading, 2014 - Taylor & Francis

... Direct contact with the reading material was not necessary for the digitiser to record the location of the pen. The software used to sample and store the pen coordinates (**MovAlyzer** v. 5.0, from Neuroscript, LLC) used a sampling rate of 100Hz ...

[Cited by 15](#)

[\[PDF\] tennessee.edu](#)

[An examination of feedback request strategies when learning a multi-dimensional motor task under self-controlled and yoked conditions](#)

A Alami - 2013 - trace.tennessee.edu

... zone, barrier, and target..... 42 Figure 2. Screenshot of **Movalyzer**® software display9ing spatial accuracy feedback with starting zone, barrier, movement trajectory, and target..... 43 ...

[A framework for analysing financial behavior using machine learning classification of personality through handwriting analysis](#)

S Thomas, M Goel, D Agrawal - Journal of Behavioral and Experimental ..., 2020 - Elsevier

JavaScript is disabled on your browser. Please enable JavaScript to use all the features on this page. Skip to main content Skip to article ...

[Manual disfluency in drawing while producing and listening to disfluent speech](#)

V Dayalu, HL Teulings, A Bowers, S Crawcour... - Human movement ..., 2013 - Elsevier

... **MovAlyzeR** 3.8 (NeuroScript, 2008) was used to run the experimental sessions, as well as record, store, and analyze the data. The data from the digitizer were recorded at a sampling rate of 101 Hz with a spatial error of 0.05 mm ...

[Cited by 6](#)

[\[HTML\] springer.com](#)

[\[HTML\] Non-dominant hand use increases completion time on part B of the Trail Making Test but not on part A](#)

L Klaming, BNS Vlaskamp - Behavior research methods, 2018 - Springer

... The Wacom Intuos Pro tablet sampled the pen position at 133 Hz. Pen positions were recorded with **Movalyzer** (developed by Neuroscript). Pen pressure was not calibrated and therefore not used in the analyses. Procedure ...

[Cited by 1](#)

[Occupational Therapy and Literacy](#)

K Strong, M Wolff, C Meier, S Bublitz... - ... Therapy, Schools, & ..., 2018 - Taylor & Francis
... They also wrote the words 'cat' and 'dog' as many times as possible on lined paper in a 2 minute period. For the graphics tablet samples, **MovAlyzer** software was used to extract data on the kinematic and temporal features of each stroke, pen pressure, and duration ...

[Written object naming, spelling to dictation, and immediate copying: Different tasks, different pathways?](#)

P Bonin, A Méot, A Lagarrigue... - The Quarterly Journal of ..., 2015 - Taylor & Francis
... Finally, we took into account the spoken duration of the words that were presented to the participants in the spelling-to-dictation task. Apparatus The experiment was conducted with **MovAlyzer**® software (Teulings & Caligiuri, 1997) ...

[Cited by 42](#)

[Visuospatial organization and recall in cerebellar ataxia](#)

M Slapik, SI Kronemer, O Morgan, R Bloes... - The Cerebellum, 2019 - Springer
... 380. **MovAlyzer** v6.1 (Neuroscript LLC, Tempe, AZ, USA) software recorded stylus movements at a sampling rate of 133 Hz. Drawings were displayed in real time on the Dell E171FP computer monitor. ROCF Scoring. Accuracy ...

[Cited by 3](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] Handwritten Signature Verification for Mobile Phones.](#)

N Paudel, M Querini, GF Italiano - ICISSP, 2016 - researchgate.net
... The purpose of using these two data sets was to evaluate the validity of the participating systems on both Western and Chinese signatures. Signature data were acquired using a WACOM Intuos3 A3 Wide USB Pen Tablet and collection software, ie, **MovAlyzer** ...

[Cited by 5](#)

[\[PDF\] academia.edu](#)

[A paradigm for emulating the early learning stage of handwriting: Performance comparison between healthy controls and Parkinson's disease patients in drawing loop ...](#)

R Senatore, A Marcelli - Human movement science, 2019 - Elsevier
... The tablet recorded the positions (x and y coordinates) and the pressure of the pen-tip with a sampling rate of 100 Hz and a spatial resolution of 0.001 cm. The experimental procedures were set-up in **MovAlyzer** by NeuroScript (Teulings, 2010) ...

[Cited by 6](#)

[Activation of writing-specific brain regions when reading Chinese as a second language. Effects of training modality and transfer to novel characters](#)

A Lagarrigue, M Longcamp, JL Anton, B Nazarian... - Neuropsychologia, 2017 - Elsevier
... Recordings and subsequent analysis were conducted using **MovAlyzer**® software (<http://www.neuroscript.net>), with an Inking Pen on a graphic tablet (Wacom Intuos 4 A4; sampling frequency 200 Hz, accuracy 0.02 mm) connected to a computer ...

[Cited by 2](#)

[\[PDF\] ohiolink.edu](#)

[Effect of Parkinson Disease on Concurrent Speech and Manual Task Performance](#)

[Z Kriegel](#) - 2018 - rave.ohiolink.edu

Page 1. EFFECT OF PARKINSON DISEASE ON CONCURRENT SPEECH AND MANUAL TASK PERFORMANCE Zoe Kriegel A Thesis Submitted to the Graduate College of Bowling Green State University in partial fulfillment of the requirements for the degree of ...

[PDF] [uwindsor.ca](#)

Variability of graphomotor task performance in adults with ADHD: A kinematic approach

[T Duda](#) - 2012 - scholar.uwindsor.ca

Page 1. University of Windsor Scholarship at UWindsor Electronic Theses and Dissertations Theses, Dissertations, and Major Papers 2012 Variability of Graphomotor Task Performance in Adults with ADHD: A Kinematic Approach Thomas Duda ...

[Cited by 2](#)

Movement segmentation and visual perturbation increase developmental differences in motor control and learning

[J Wu](#), [JSY Chan](#), [JH Yan](#) - *Developmental science*, 2019 - Wiley Online Library

... The participants were encouraged to make no errors during the experiment. 2.4 Measures and statistical analyses. The raw trajectory data were processed with **MovAlyzeR** software. The data were sampled at 100 Hz and low-pass-filtered at 12 Hz ...

[PDF] [marquette.edu](#)

The Effects of Separating Visual and Motor Workspaces on the Generalization of Visuomotor Adaptation across Movement Conditions

[Y Lei](#) - 2013 - epublications.marquette.edu

Page 1. Marquette University e-Publications@Marquette Master's Theses (2009 -) Dissertations, Theses, and Professional Projects The Effects of Separating Visual and Motor Workspaces on the Generalization of Visuomotor Adaptation across Movement Conditions ...

Examining associations between action game play and motor control

[MA Rupp](#), [DS McConnell](#), [JA Smither](#) - *Acta psychologica*, 2019 - Elsevier

... The control-display ratio between the tablet and display was set at unity. Stimulus presentation, data recording, data filtering, and kinematic analyses were accomplished using the **MovAlyzeR** application (Neuroscript, LLC) ...

Exploring the Relationship of Transdiagnostic Mood and Psychosis Symptom Domains with Motor Dysfunction

[JS Kent](#), [SG Disner](#), [AC Van Voorhis](#), [S Urošević](#)... - ..., 2019 - karger.com

... **MovAlyzeR** software (Neuroscript, LLC, Tempe, AZ, USA) was used to sample pen movements and for data processing and analysis. Data processing steps and additional analysis details are described in Caligiuri et al. [63] and Kent et al. [12] ...

[PDF] [staffs.ac.uk](#)

Effect of visual feedback on the static and kinetic individual characteristics of handwriting

[M Pertsinakis](#) - 2016 - eprints.staffs.ac.uk

... electronic inking pen. The data was stored and analyzed in a handwriting movement analysis software module specially designed for this research, that was attached in the software **MovAlyzeR** by Neuroscript LLC. Peer reviewed ...

[HTML] [bmj.com](#)Free from Publisher

[\[HTML\] The Ohio State University Early Psychosis Intervention Center \(EPICENTER\) step-based care programme for individuals at clinical high risk for psychosis ...](#)

NJK Breitborde, H Guirgis, W Stearns, [KM Carpenter](#)... - BMJ open, 2020 - [bmjopen.bmj.com](#)

[\[PDF\] researchgate.net](#)

[Effects of Concurrent Manual Task Performance on Connected Speech Acoustics in Individuals With Parkinson Disease](#)

[JA Whitfield](#), [Z Kriegel](#), [AM Fullenkamp](#)... - Journal of Speech ..., 2019 - ASHA

... Participants were instructed to speak at a comfortable rate and loudness level as if they were having a conversation with another person. Data from the tablet were collected in **MovalyzeR** (NeuroScript; sampling rate: 132 Hz). Experimental Protocol ...

[Cited by 1](#)

[\[PDF\] ucf.edu](#)

[Examining the Role of Cardiovascular and Cognitive Fitness in Goal-directed Aiming Across the Lifespan](#)

[M Rupp](#) - 2017 - [stars.library.ucf.edu](#)

Page 1. University of Central Florida Electronic Theses and Dissertations Doctoral Dissertation (Open Access) Examining the Role of Cardiovascular and Cognitive Fitness in Goal-directed Aiming Across the Lifespan 2017 Michael Rupp University of Central Florida ...

[\[PDF\] unir.net](#)

[Mejora de los procesos de escritura a través del programa Grafoletras](#)

[R Maquieira-García](#) - 2013 - [reunir.unir.net](#)

... problemas grafomotrices. En una línea parecida podría estar el software **MovAlyzeR**, disponible en <http://www.neuroscript.net/movalyzer.php>, un sistema muy completo de análisis del movimiento gráfico producido en la escritura. Por ...

[\[PDF\] adlitipbulteni.com](#)

[Tetabuk Özelliği Olan Sahte İmzaların Tespitinde Bilgisayar Teknolojilerinin Rolü Olgu Sunumu](#)

[İE Melez](#), [DO Melez](#), [MF Şahin](#)... - The Bulletin of Legal ..., 2015 - [adlitipbulteni.com](#)

... Decomposition), N-Tuple Learning, SVM (Support Vector Machine), LCSS (Longest Common Subsequence), DTW (Dynamic Time Warping), LPC (Linear Prediction Coding), **Movalyzer**, ASV (Automatic Signature Verification) gibi yazı analiz sistemleri kullanılabilir (22-27 ...

[\[PDF\] researchgate.net](#)

[Online handwritten signature verification for low-end devices](#)

[N Paudel](#), [M Querini](#), [GF Italiano](#) - International Conference on Information ..., 2016 - Springer

... The purpose of using these two data sets was to evaluate the validity of the participating systems on both Western and Chinese signatures. Signature data were acquired using a WACOM Intuos3 A3 Wide USB Pen Tablet and collection software, ie, **MovAlyzer**. Dutch Dataset ...

[Cited by 1](#)

[\[PDF\] wiley.com](#)

[Cultural entrainment of motor skill development: Learning to write *hiragana* in Japanese primary school](#)

[T Nonaka](#) - Developmental psychobiology, 2017 - Wiley Online Library

... **MovAlyzeR** V6.1 software (NeuroScript, LLC; Tempe, AZ) was used to record the position-time data of the pen tip on the paper plane, pressure on the pen tip, and pen-tilt relative to the paper plane from the digital tablet and the pen at 100 Hz ...

[Cited by 2](#)

[\[PDF\] uwindsor.ca](#)

[\[PDF\] An examination of fine motor control in children with ADHD](#)

VM Petrauskas - 2014 - scholar.uwindsor.ca

... 38 **MovAlyzeR** Software 38 ... 12 3. Pictorial depiction of how the **MovAlyzeR** software identifies changes in the direction of velocity 39 ...

[Cited by 3](#)

[\[PDF\] ucf.edu](#)

[Draining your Brain: The Effects of Four Fatiguing Task Domains on Executive Function and Prefrontal Cortex](#)

SA Mouloua - 2019 - stars.library.ucf.edu

... (see Figure 8, Appendix A). The tablet's interface was comprised of circular targets, and participants performed a discrete aiming task wherein they pointed towards a cued target with the stylus. NeuroScript **MovAlyzeR** software was used to present stimuli. The Index of Difficulty ...

[\[PDF\] up.krakow.pl](#)

[\[PDF\] Ruch, który rozwija—wykorzystanie piłek edukacyjnych EDUball w edukacji przedszkolnej i wczesnoszkolnej](#)

A ROKITA, I CICHY, S WAWRZYŃIAK - czasopismoippis.up.krakow.pl

... Wiedeński System Testów, Smart Speed System, tablety PC, tablety graficzne, program **MovAlyzeR**). Diagnozowanie powinno być realizowane w warunkach dogodnych i dostosowanych do potrzeb rozwojowych dziecka ...

[Personal digital bodyguards for e-security, e-learning and e-health: A prospective survey](#)

R Plamondon, G Pirlo, E Anquetil, C Rémi... - Pattern Recognition, 2018 - Elsevier

[Cited by 15](#)

[Online signature verification based on string edit distance](#)

K Riesen, R Schmidt - International Journal on Document Analysis and ..., 2019 - Springer

... It contains 25 genuine signatures per user as well as 25 skilled forgeries, which are based on static images of the signatures to imitate. SIGCOMP-11 consists of signatures captured with Wacom Intuos3 A3 Wide USB Pen Tablet in conjunction with **MovAlyzeR** collection software ...

[Cited by 3](#)

[\[PDF\] lsu.edu](#)

[\[PDF\] Motor Learning Effects of Two Types of Stressors: Implications for Practice Specificity](#)

CA Aiken - 2015 - digitalcommons.lsu.edu

Page 1. Louisiana State University LSU Digital Commons LSU Doctoral Dissertations Graduate School 2015 Motor Learning Effects of Two Types of Stressors: Implications for Practice Specificity Christopher Adam Aiken Louisiana ...

[\[PDF\] unesp.br](#)

[\[PDF\] O Padrão de Escrita Manual nas Primeiras Séries do Ensino Fundamental: Fatores Determinantes da Qualidade da Escrita](#)

[AM Pellegrini, S de Souza Neto, CY Hiraga... - ... DE ENSINO Da ... - repositorio.unesp.br](#)
... feito. Estes registros permitiram através do software **Movalyzer** acompanhado do software Neuroscript a identificação da velocidade da escrita e da pressão sobre a superfície do conjunto de palavras de acordo com o modelo ...

[HTML] [cairn.infoFull View](#)

[HTML] [La syllabe dans la production écrite de mots](#)

[S Sausset, É Lambert, T Olive - LAnnee psychologique, 2016 - cairn.info](#)
... Des outils de recueil et d'analyse (Ductus de Guinet & Kandel, 2010 ; Eye and Pen de Chesnet & Alamargot, 2006 ; **MovAlyzer**® de la Société Neuroscript LLC) permettent d'étudier avec précision certains des traitements cognitifs à l'œuvre au cours de l'écriture ...
[Cited by 1](#)

[PDF] [unitn.it](#)

[Does the Way we interact with Technology Affect Cognitive Performance? An in-depth analysis of writing devices](#)

[T Cerni - 2014 - eprints-phd.biblio.unitn.it](#)
Page 1. ! Scuola di Dottorato in Scienze Psicologiche e della Formazione XXVII° ciclo PhD Thesis DOES THE WAY WE INTERACT WITH TECHNOLOGY AFFECT COGNITIVE PERFORMANCE? An in-depth analysis of writing devices Supervisor: Prof. Remo Job ...

[HTML] [nih.gov](#)

[HTML] [Developmental coordination disorder and dysgraphia: signs and symptoms, diagnosis, and rehabilitation](#)

[M Biotteau, J Danna, É Baudou... - Neuropsychiatric ..., 2019 - ncbi.nlm.nih.gov](#)
[Cited by 3](#)

[PDF] [scu.edu.au](#)

[PDF] [Handwriting and working memory: the role of memory and other cognitive factors in the performance of psychomotor skills such as handwriting and drawing](#)

[RF Tindle - 2016 - epubs.scu.edu.au](#)
Page 1. Southern Cross University ePublications@SCU Theses 2016 Handwriting and working memory: the role of memory and other cognitive factors in the performance of psychomotor skills such as handwriting and drawing Richard Frank Tindle Southern Cross University ...

[PDF] [ufmg.br](#)

[Associação entre impulsividade e controle motor](#)

[GM Lage - 2010 - repositorio.ufmg.br](#)
Page 1. GUILHERME MENEZES LAGE ASSOCIAÇÃO ENTRE IMPULSIVIDADE E CONTROLE MOTOR BELO HORIZONTE INSTITUTO DE CIÊNCIAS BIOLÓGICAS DA UFMG 2010 Page 2. GUILHERME MENEZES LAGE ASSOCIAÇÃO ...
[Cited by 2](#)

[PDF] [213.55.95.56](#)

[Online Handwriting Recognition of Amharic Words Using Hmm](#)

[G Kornsa - 2011 - 213.55.95.56](#)
Page 1. ADDIS ABABA UNIVERSITY FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES DEPARTMENT OF COMPUTER SCIENCE ONLINE HANDWRITING RECOGNITION OF AMHARIC WORDS USING HMM BY: GETNET KORNSA ...

[\[PDF\] uevora.pt](#)

[A relação entre o desempenho motor eo desempenho visuo-motor, em crianças entre os 4 e os 6 anos](#)

BIM Costa - 2019 - [dspace.uevora.pt](#)

... Quanto às variáveis obtidas pelo **Movalyzer**, variam consoante a idade e as figuras. Conclusão: O desempenho motor apresenta relação com o desempenho visuo-motor ... As to the variables obtained by **Movalyzer**, they vary according to the age and the figures ...

[\[PDF\] gatech.edu](#)

[Preparation Modulation in Timing of Speech-Movement Sequences](#)

EN Lawler - 2005 - [smartech.gatech.edu](#)

... 22 Page 32. measured using the sound editing software Audacity. Onset, offset, and submovement parsing of the movement production was determined by **MovAlyzeR** Version 3.0 © software. The point at which velocity reached 5% of the peak velocity for the entire ...

[\[PDF\] lsu.edu](#)

[\[PDF\] The Control of Amplitude and Direction in Bimanual Coordination](#)

Z Pan - 2014 - [digitalcommons.lsu.edu](#)

... The experimental procedures were programmed in **MovAlyzeR** (NeuroScript LLC, Tempe, Arizona, USA) running on a PC (Dell Dimension 8400). The monitor-1 (which was the lower monitor) was placed approximately 80cm in front of the participants ...

[\[PDF\] uho.edu.cu](#)

[NeuroScreening Coordination: sistema para la evaluación de los trastornos de la coordinación de los miembros superiores](#)

M Velázquez Mariño - 2014 - [repositorio.uho.edu.cu](#)

... El ATAX-1[7], BRAIN TEST [26], **MovAlyzeR** [27], Adquisición y análisis de la espiral de Arquímedes [28], Trazado de círculo [29], OASIS Page 25 ... escritura a mano con el uso de tabletas digitalizadoras y el sistema **MovAlyzeR** [27] en los que ...

[Cited by 2](#)

[\[PDF\] iastate.edu](#)

[Online control of handwriting in children with Developmental Coordination Disorder](#)

HF De Oliveira Miguel - 2011 - [lib.dr.iastate.edu](#)

Page 1. Graduate Theses and Dissertations ...

[\[PDF\] umn.edu](#)

[Assessment of movement skills and perceptual judgment in atypical aging.](#)

AJ Jordan - 2012 - [conservancy.umn.edu](#)

Page 1. ASSESSMENT OF MOVEMENT SKILLS AND PERCEPTUAL JUDGMENT IN ATYPICAL AGING A DISSERTATION SUBMITTED TO THE FACULTY OF THE GRADUATE SCHOOL OF THE UNIVERSITY OF MINNESOTA BY AZIZAH-JEHAN JOR'DAN ...

[Forschungsstand](#)

E Odersky - *Handschrift und Automatisierung des Handschreibens*, 2018 - Springer

Page 1. 2 Forschungsstand Inwieweit diese Fragen bereits beantwortet werden können und an welchen Stellen noch Forschungsbedarf besteht, kann nur unter eingehender Erörterung des Forschungsstandes festgestellt werden ...

[\[PDF\] ugent.be](#)

[\[PDF\] Vergelijking van het handschrift tussen typisch ontwikkelende kinderen en kinderen met een autismespectrumstoornis](#)

J De Nutte - lib.ugent.be

... 61 Bijlagen 78 Bijlage 1. Checklist **MovAlyzeR** 78 Bijlage
2. Over te schrijven tekst SOS-test 80 ...

[\[PDF\] ufmg.br](#)

[Os efeitos da modulação hemisférica nas assimetrias manuais: inibição inter-hemisférica e aumento da excitabilidade hemisférica](#)

LA Fernandes - 2016 - repositorio.ufmg.br

Page 1. LIDIANE APARECIDA FERNANDES OS EFEITOS DA MODULAÇÃO HEMISFÉRICA NAS ASSIMETRIAS MANUAIS: INIBIÇÃO INTER-HEMISFÉRICA E AUMENTO DA EXCITABILIDADE HEMISFÉRICA Belo Horizonte ...

[Cited by 1](#)

[\[PDF\] semanticscholar.org](#)

[\[PDF\] PRESENTATION AND POSTER ABSTRACTS](#)

M Lebedev - pdfs.semanticscholar.org

Page 1. 1 www.graphonomics.org/igs2011 PRESENTATION AND POSTER ABSTRACTS (NOTE: Full papers are available for download at the IGS website) CHAIR: Jose L. Contreras-Vidal, University of Maryland, USA CO-CHAIR ...

[\[BOOK\] Handschrift und Automatisierung des Handschreibens](#)

E Odersky - 2018 - Springer

Page 1. Handschrift und Automatisierung des Handschreibens Eva Odersky Eine Evaluation von Kinderschriften im 4. Schuljahr Page 2. Handschrift und Automatisierung des Handschreibens Page 3. Eva Odersky Handschrift und Automatisierung des Handschreibens ...

[Cited by 2](#)

[\[PDF\] researchgate.net](#)

[\[PDF\] Pen Pressure: An Important Tool in Online Signature Verification](#)

D Anamika, R Kumar - 2019 - researchgate.net

... 1 Dynamic handwriting features Wacom Intuos 3 digitizer tablet **MovAlyzeR** Version 4.1 Wacom inking pen ... 8 Prototype using mathematical treatment of pen pressure patterns Wacom Intuos 4,5 Pro Inking pen Wacom Intuos Pro medium digitizer tablet **MovAlyzeR** version 6 ...

[\[PDF\] u-szeged.hu](#)

[\[PDF\] Online signature verification and handwriting classification](#)

E Griechisch - 2018 - doktori.bibl.u-szeged.hu

Page 1. ONLINE SIGNATURE VERIFICATION AND HANDWRITING CLASSIFICATION Ph.D. dissertation erika griechisch Supervisor: dr. jános csirik Faculty of Science and Informatics Doctoral School of Computer Science Institute of Informatics, University of Szeged ...

[Cited by 1](#)

[\[PDF\] ufmg.br](#)

[Papel do córtex parietal posterior na geração de drift proprioceptivo em tarefa de apontamento na privação visual](#)

JRV de Oliveira - 2016 - repositorio.ufmg.br

Page 1. JOÃO ROBERTO VENTURA DE OLIVEIRA PAPEL DO CÓRTEX PARIETAL POSTERIOR NA GERAÇÃO DE DRIFT PROPRIOCEPTIVO EM TAREFA DE APONTAMENTO NA PRIVAÇÃO VISUAL Belo Horizonte 2016 Page 2. JOÃO ROBERTO VENTURA DE OLIVEIRA ...

[HTML] jove.com

[HTML] [Dynamic digital biomarkers of motor and cognitive function in parkinson's disease](#)

J Ryu, J Vero, RD Dobkin, EB Torres - JoVE (Journal of Visualized ..., 2019 - jove.com

This protocol offers a digitization of portions of traditional clinical tasks commonly used to measure cognition and motor control in...

[Cited by 3](#)

[PDF] wits.ac.za

[Can one develop a biomarker to detect movement disorder types?](#)

K Kim - 2017 - wiredspace.wits.ac.za

Page 1. CAN ONE DEVELOP A BIOMARKER TO DETECT MOVEMENT DISORDER TYPES?

Kimoon Kim A dissertation submitted to the Faculty of Engineering and the Built Environment, University of the Witwatersrand, Johannesburg, in fulfilment of the requirements for the ...

[PDF] ufpe.br

[Efeitos das estimulações cerebelares não invasivas no aprendizado motor e equilíbrio de indivíduos saudáveis](#)

KKM SILVA - 2016 - repositorio.ufpe.br

Page 1. LORENA FIGUEIREDO DE MELO EFEITOS DAS ESTIMULAÇÕES CEREBELARES

NÃO INVASIVAS NO APRENDIZADO MOTOR E EQUILÍBRIO DE INDIVÍDUOS SAUDÁVEIS RECIFE | 2016 Page 2. LORENA FIGUEIREDO DE MELO ...

[PDF] amu.edu.pl

[Traktat Parkosza. Eksperymentalna edycja elektroniczna](#)

JS Bień - Poznańskie Studia Polonistyczne. Seria ..., 2019 - pressto.amu.edu.pl

Page 1. Poznańskie Studia Polonistyczne Seria Językoznawcza vol. 26 (46), nr 1 DOI: 10.14746/pspsj.2019.26.1.2 Janusz S. Bień Warszawa Traktat Parkosza.

Eksperymentalna edycja elektroniczna 1. Wstęp Jak wiadomo, żyjący ...

[Cited by 1](#)

[PDF] ufmg.br

[Efeito da magnitude da perturbação na adaptação em uma tarefa de apontamento](#)

AH Miguel - 2012 - repositorio.ufmg.br

Page 1. ALINE HORTA MIGUEL EFEITO DA MAGNITUDE DA PERTURBAÇÃO NA ADAPTAÇÃO EM UMA TAREFA DE APONTAMENTO Belo Horizonte Escola de Educação Física, Fisioterapia e Terapia Ocupacional da UFMG 2012 Page 2. ALINE HORTA MIGUEL ...

[PDF] unesp.br

[Influência do mobiliário na coordenação motora fina e no controle postural de alunos com paralisia cerebral](#)

FTO Codogno - 2011 - repositorio.unesp.br

... com esse trabalho. Ao pessoal técnico e engenheiros da Neuroscript, em especial ao Hans-Leo Teulings, pelas noites de reunião on line, nas quais eram discutidas as configurações e análises do **Movalyzer** 6.1. Ao Professor ...

[Cited by 2](#)

[PDF] ufpe.br

[Efeitos da estimulação transcraniana por corrente contínua cerebelar sobre o aprendizado motor de indivíduos saudáveis](#)

MA MELLO - 2016 - attena.ufpe.br

Page 1. UNIVERSIDADE FEDERAL DE PERNAMBUCO CENTRO DE CIÊNCIAS DA SAÚDE
PÓS-GRADUAÇÃO EM NEUROPSIQUIATRIA E CIÊNCIAS DO COMPORTAMENTO EFEITOS
DA ESTIMULAÇÃO TRANSCRANIANA POR CORRENTE ...

[BOOK] [The role of gestural imitation in the inhibition of stuttering](#)

T Saltukaroglu - 2004 - search.proquest.com

The role of gestural imitation in the inhibition of stuttering. Abstract. All overt stuttering symptoms are thought to cascade from a central involuntary neural block. If this block is inhibited via supplementary speech or gestural information ...

[Cited by 2](#)

[PDF] [googleapis.com](#)

[Method and apparatus for determining an indication of cognitive impairment](#)

BNS Vlaskamp, L Klaming, MF Gillies - US Patent App. 16/348,654, 2020 - Google Patents

US20200054269A1 - Method and apparatus for determining an indication of cognitive impairment - Google Patents. Method and apparatus for determining an indication of cognitive impairment. ...

[BOOK] [Huber and Headrick's Handwriting Identification: Facts and Fundamentals](#)

HH Harralson, LS Miller - 2017 - books.google.com

Page 1. Second Edition Huber and Headrick's HANDWRITING IDENTIFICATION Facts and Fundamentals Heidi H. Harralson • Larry S. Miller 69 CRC Press Tw^o Fr^{is}-r^oup Page 2. Huber and Headrick's HANDWRITING IDENTIFICATION Focis and Fundamenials Page 3 ...

[Cited by 5](#)

[PDF] [uky.edu](#)

[Injury-induced hand dominance transfer](#)

KE Yancosek - 2010 - uknowledge.uky.edu

Page 1. University of Kentucky UKnowledge University of Kentucky Doctoral Dissertations Graduate School 2010 INJURY-INDUCED HAND DOMINANCE TRANSFER Kathleen E. Yancosek University of Kentucky, kyancosek@yahoo.com ...

[Cited by 6](#)

[PDF] [unesp.br](#)

[Transtorno do desenvolvimento da coordenação: efeito do foco de atenção em tarefa bimanual](#)

MC Ferracioli - 2015 - repositorio.unesp.br

Page 1. unesp PROGRAMA DE PÓS-GRADUAÇÃO EM DESENVOLVIMENTO HUMANO E TECNOLOGIAS (Linha de Pesquisa: Tecnologias e Desempenho Humano) TRANSTORNO DO DESENVOLVIMENTO DA COORDENAÇÃO ...

[PDF] [theses.fr](#)

[Outils et méthodes pour l'analyse automatique multi-niveaux de tracés manuscrits à caractère géométrique acquis en ligne](#)

N Renau-Ferrer - 2011 - theses.fr

Page 1. THESE DE DOCTORAT Présentée par Ney RENAUFERRER Pour l'obtention du grade de Docteur de l'université des Antilles et de la Guyane Domaine : Informatique Outils et méthodes pour l'analyse automatique multi-niveaux de ...

[PDF] [asqde.org](#)

[PDF] [Journal of the American Society of Questioned Document Examiners](#)

JM Winchester - Journal of the American Society of Questioned ... - asqde.org

Page 1. Journal of the American Society of Questioned Document Examiners Volume 1, Number 1 ABSTRACTS 1. Foreword Janis M. Winchester, Editor This inaugural edition of the Journal of the American Society of Questioned ...

[\[PDF\] theses.fr](#)

[Exploration de l'interface langage-motricité: le traitement lexical dans la Maladie de Parkinson](#)

A Letanneux - 2014 - theses.fr

Page 1. i École Doctorale Cognition, Langage, Education - ED356 Laboratoire Parole et Langage - UMR 7309 CNRS - Aix-Marseille Université THÈSE pour obtenir le grade de DOCTEUR D'AIX-MARSEILLE UNIVERSITÉ Discipline : Psychologie Alban LETANNEUX ...

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[\[PDF\] Die Rolle von Schreibpausen bei der Prozessanalyse reproduktiver Schreibaufgaben](#)

C Weinzierl - 2013 - repo.uni-hannover.de

Page 1. Die Rolle von Schreibpausen bei der Prozessanalyse reproduktiver Schreibaufgaben Von der Philosophischen Fakultät der Gottfried Wilhelm Leibniz Universität Hannover zur Erlangung des Grades eines Doktors der Philosophie (Dr. phil.) genehmigte Dissertation ...