MovAlyzeR in combination with a normal digitizer tablet represents the world's most cost-effective and most accurate human 2D movement analysis system.

For research and application in:
Human movement research
Psychology
Psychiatry
Neurology
Movement Disorders
Motor learning
Visuomotor control
Physiotherapy
Occupational therapy
Remedial teaching
Child education
Child development
Forensics
Computer science
Artificial Intelligence
Human-Computer Interaction

MovAlyzeR complete handwriting and mouse movement.
ScriptAlyzeR basic handwriting and mouse movement.
MovAlyzeRx patient centered interface for data collection
GripAlyzeR bimanual grip-force coordination

Designed for Microsoft® Windows® XP
Certified for Windows Vista™
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Digitizers we deliver:
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Cover: Microscopic Intersecting lines.
Photo by: John P. Conley

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MovAlyzeR®

Handwriting Movement Analysis Software

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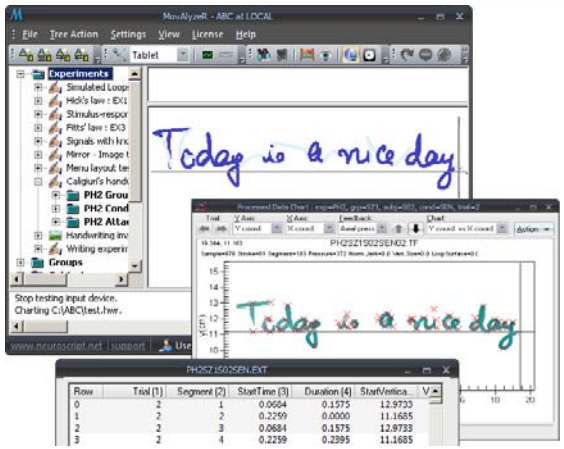


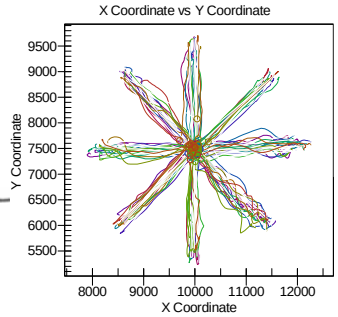
Record handwriting or mouse movements, process the data and instantly obtain graphical and numerical summary results.

Overview

The MovAlyzeR Suite offers a comprehensive solution to quickly and accurately perform handwriting or mouse movement tests or process handwriting images.

Automatic consistency checking after each trial enables re-recording on the spot and ensures objective analysis in 1-person research.

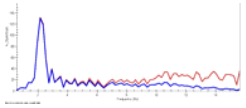
Immediately after each test all results will be available.



Goal directed movements of Parkinson's disease patients

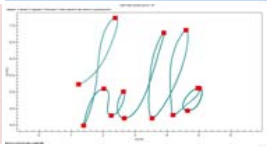
From Recording to Research Journal in 7 Steps

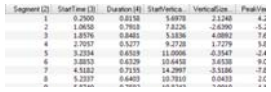
1. Customize test with audiovisual animated stimuli and record with digitizer tablet or mouse



2. Filter data to remove noise through spectral analysis

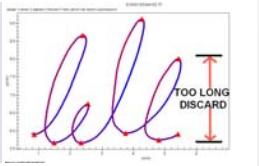
3. Segment writing sample into strokes





4. Kinematic feature extraction per stroke

5. Consistency check of extracted parameters



6. Summarization and statistical analysis of results

7. Write and submit your paper!

Michael Benedikt

Forensic Signature Verification

Features

International patent-pending

Highly customizable

Graphical stimulus editor for interactive visual stimuli

Auditory stimuli

Trial randomization rules

Word extraction from long paragraphs

Handwriting image processing

Data-centered or patient-centered user interfaces

Multi-site, multi-user database

Test signal generation

Verify processing accuracy

Tablet accuracy test

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