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Title: Head Movement Compensation and Multi-Modal Event Detection in Eye-Tracking Data for Unconstrained Head Movements

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Highlights

- Methods for analyzing mobile eye-tracking data with unconstrained head movements are presented.
- The methods include compensation of head movements and event detection.
- Detected events are: saccades, fixations, and smooth pursuit movements.
- Event detection is improved by including moving objects from the scene video.
- The proposed algorithms perform better than the I-VDT algorithm.

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