Neuro-ophthalmic assessment based on

the spatiotemporal properties of oculomotor behavior during

continuous eye-tracking

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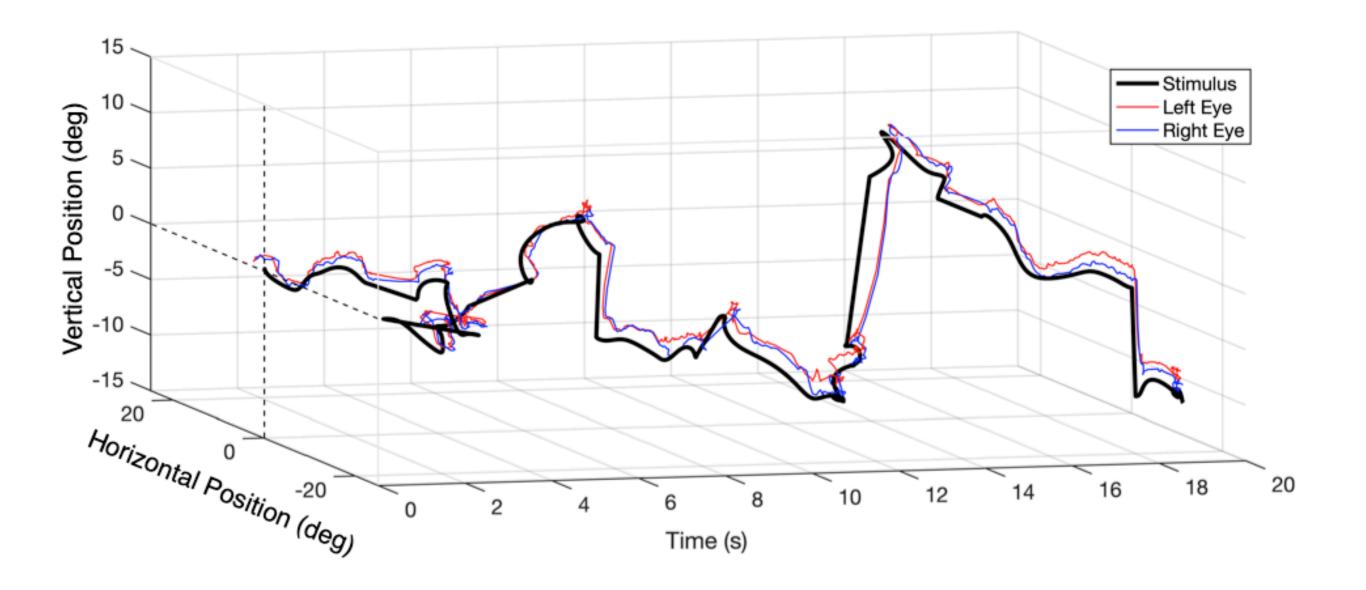


Disclosure belangen spreker

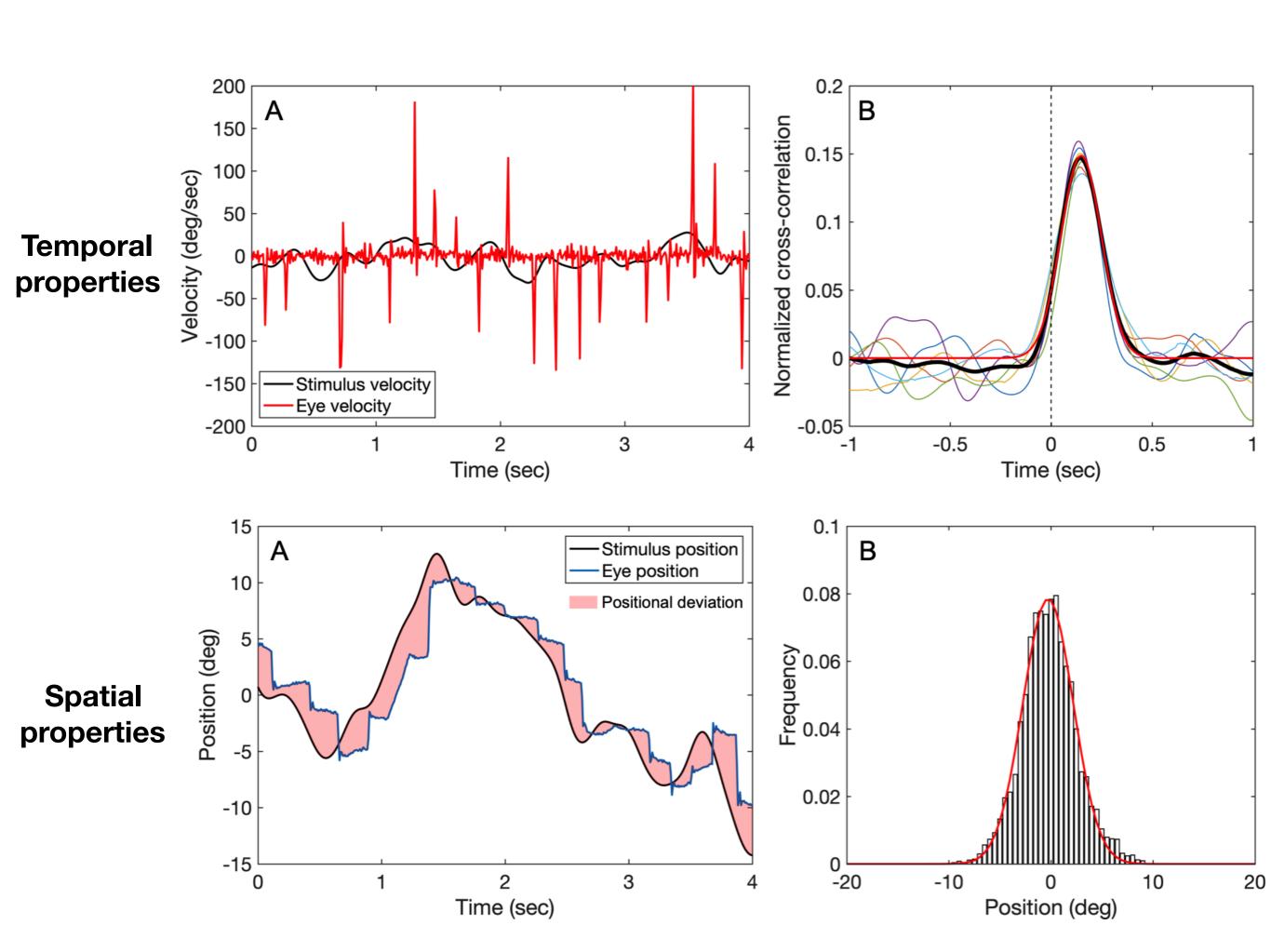
(potentiële) belangenverstrengeling	Zie hieronder
Voor bijeenkomst mogelijk relevante relaties met bedrijven	Visio, Reperio
Sponsoring of onderzoeksgeldAndere relatie	 Novum, Uitzicht, EU UMCG heeft patent aangevraagd op bepaalde aspecten van de gepresenteerde methode

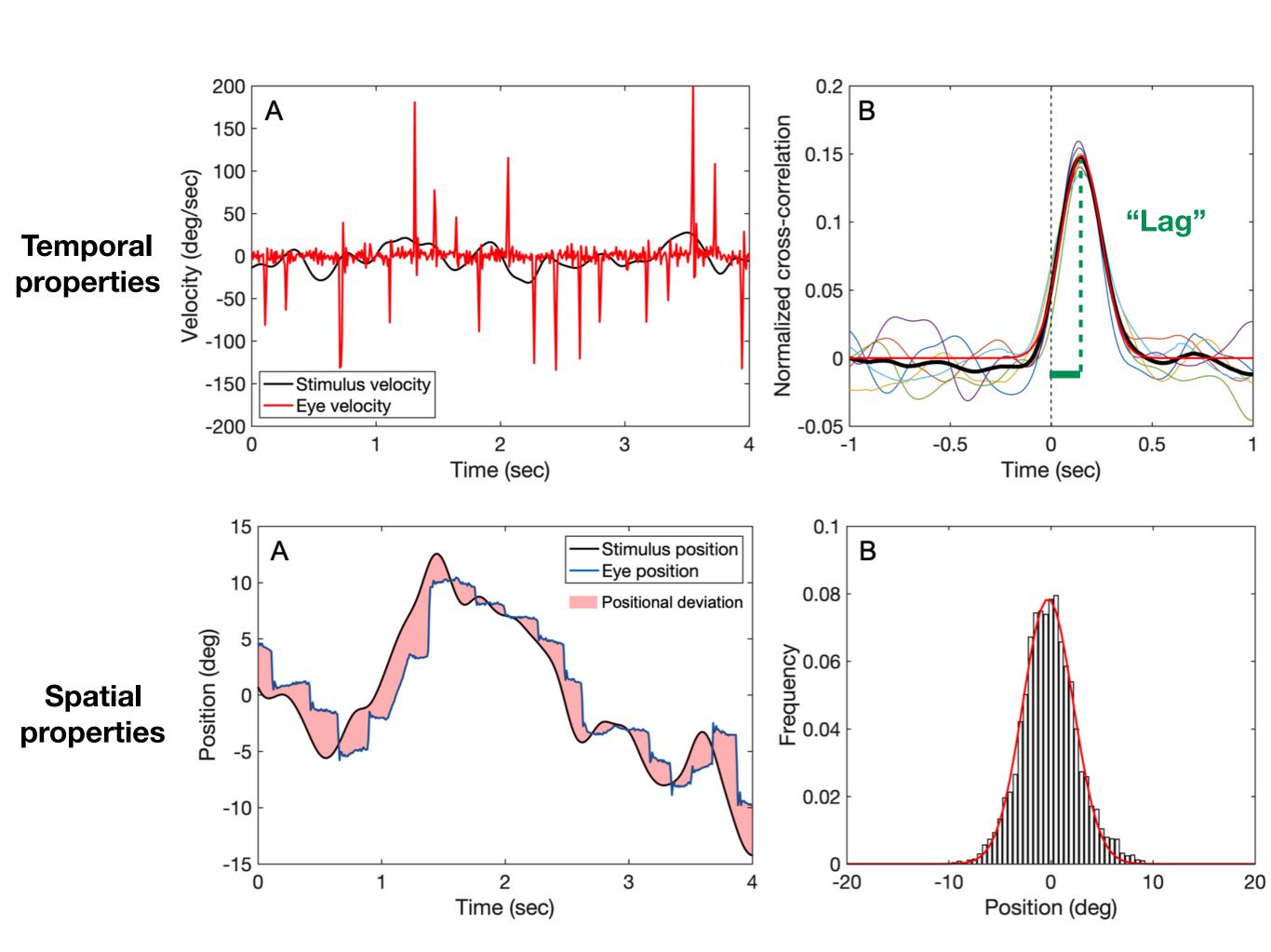


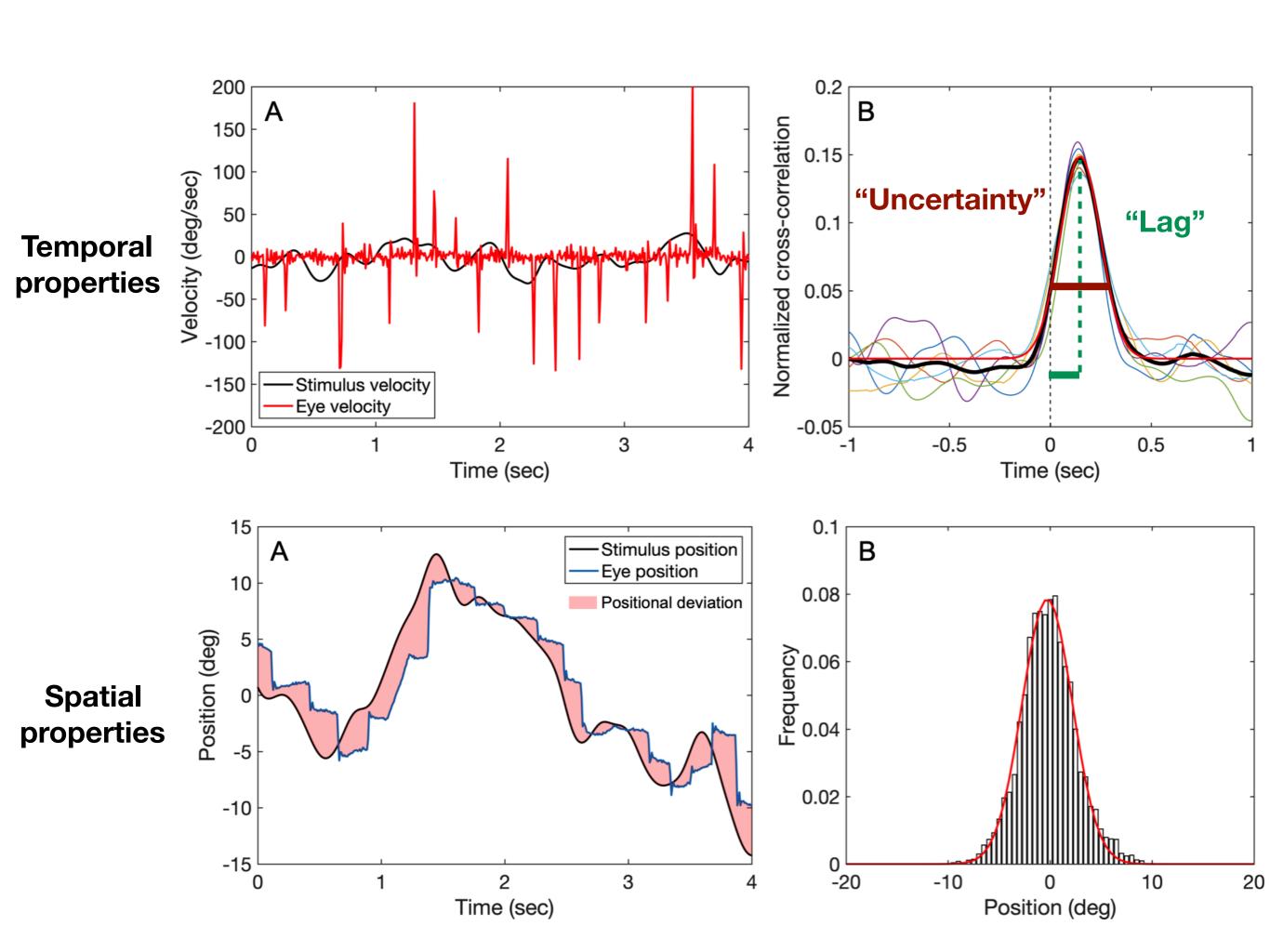
Continuous eye tracking



Smooth pursuit

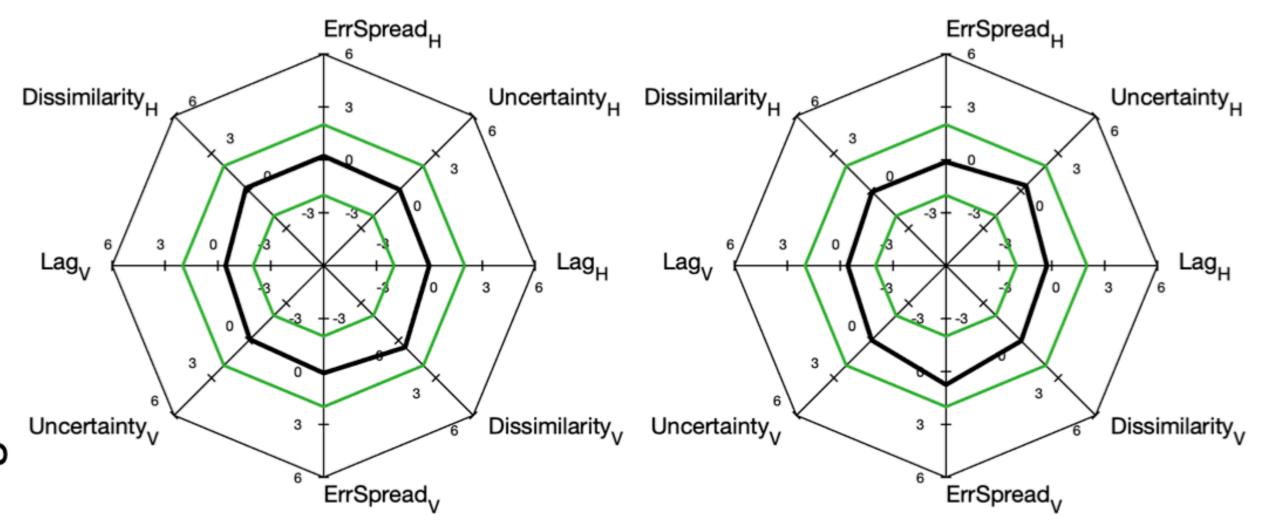


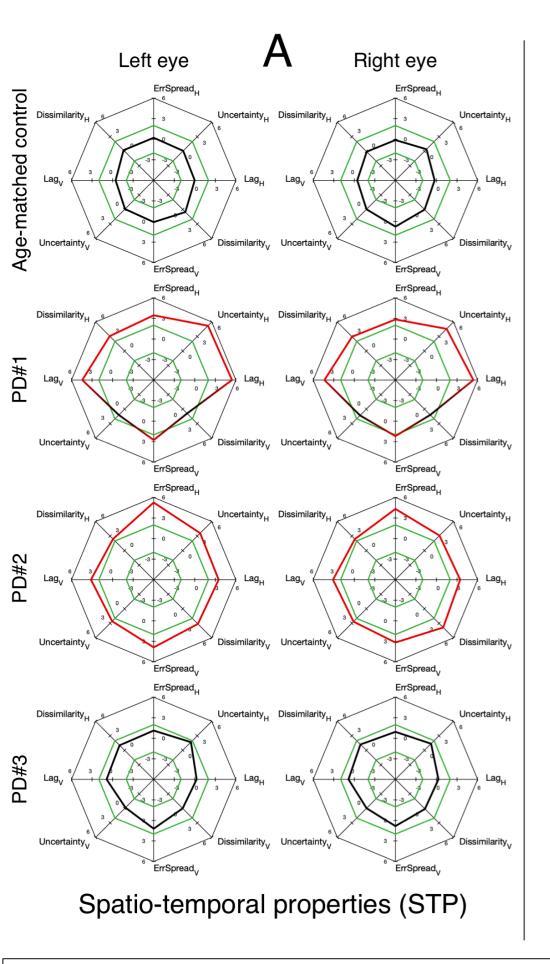


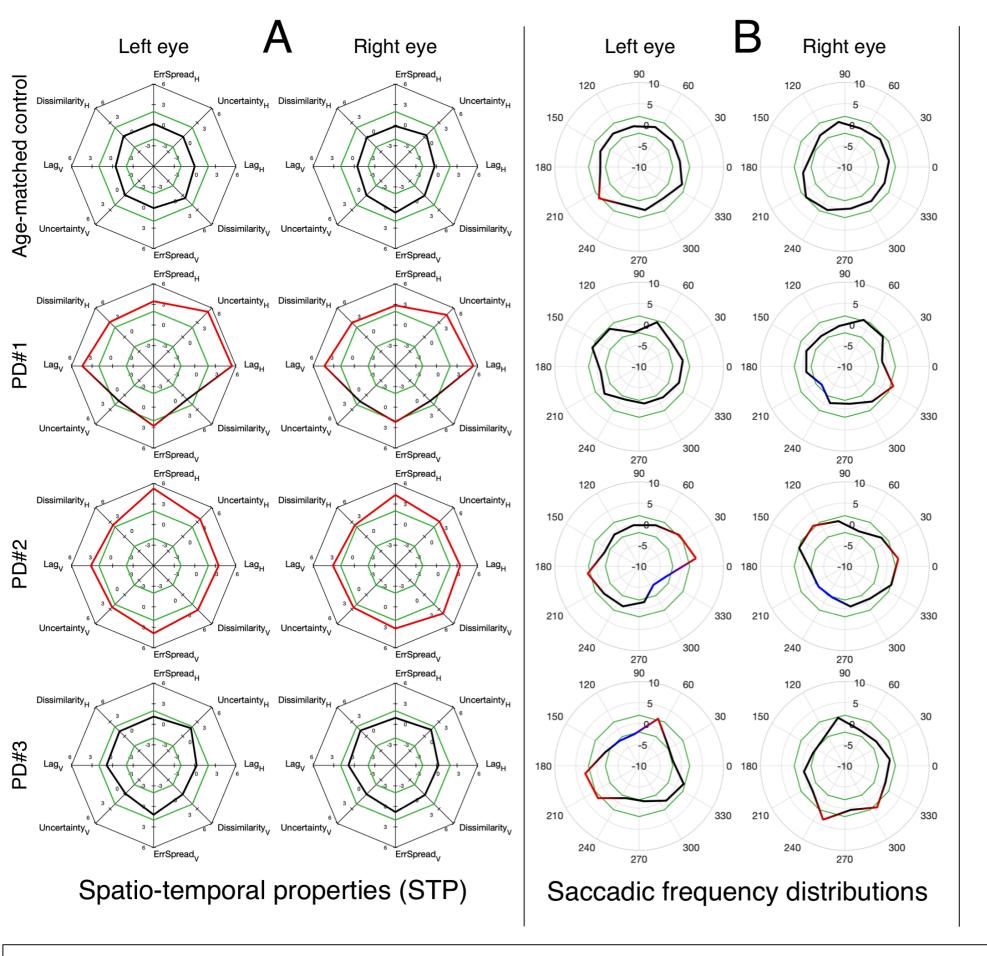


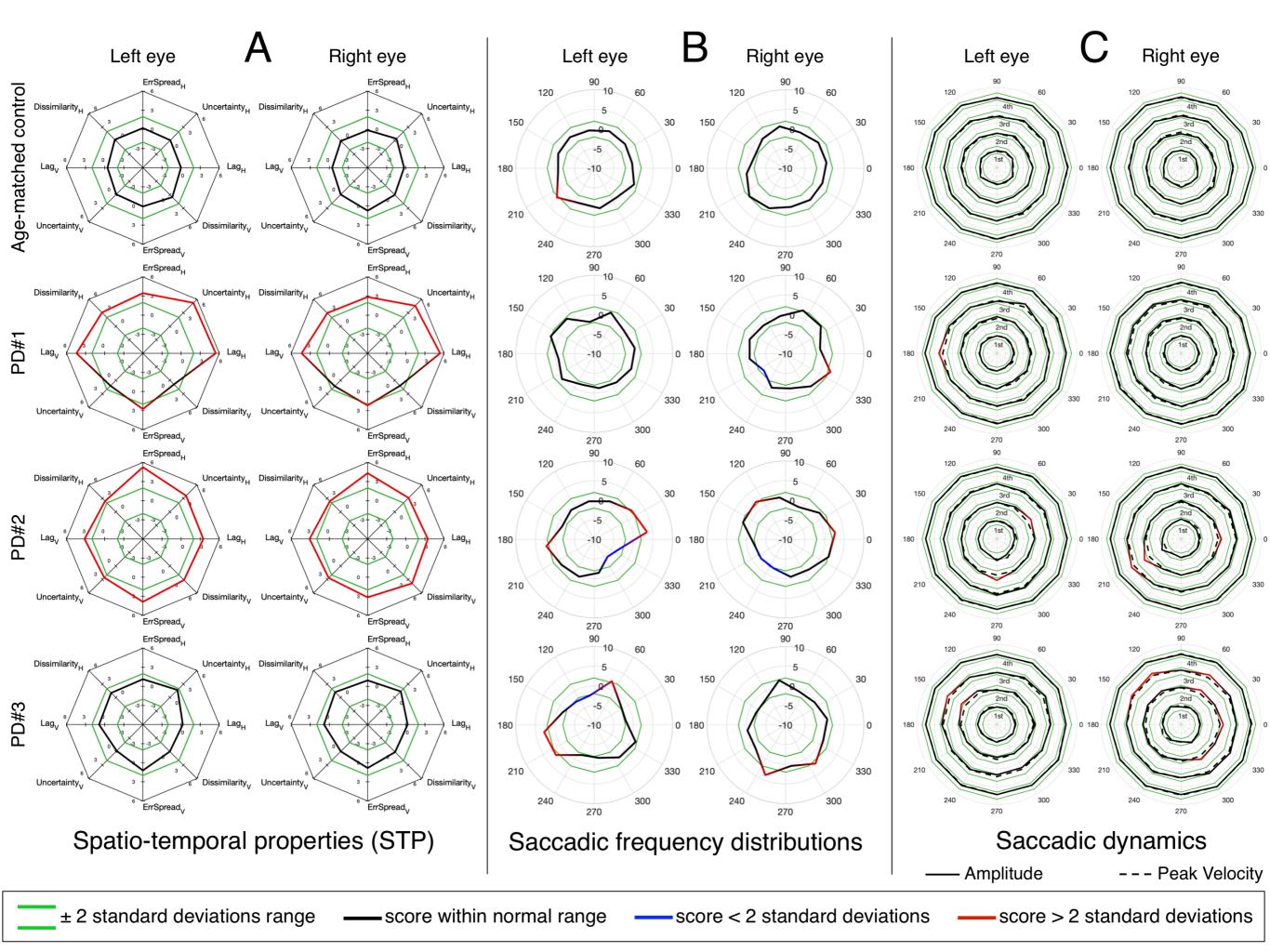


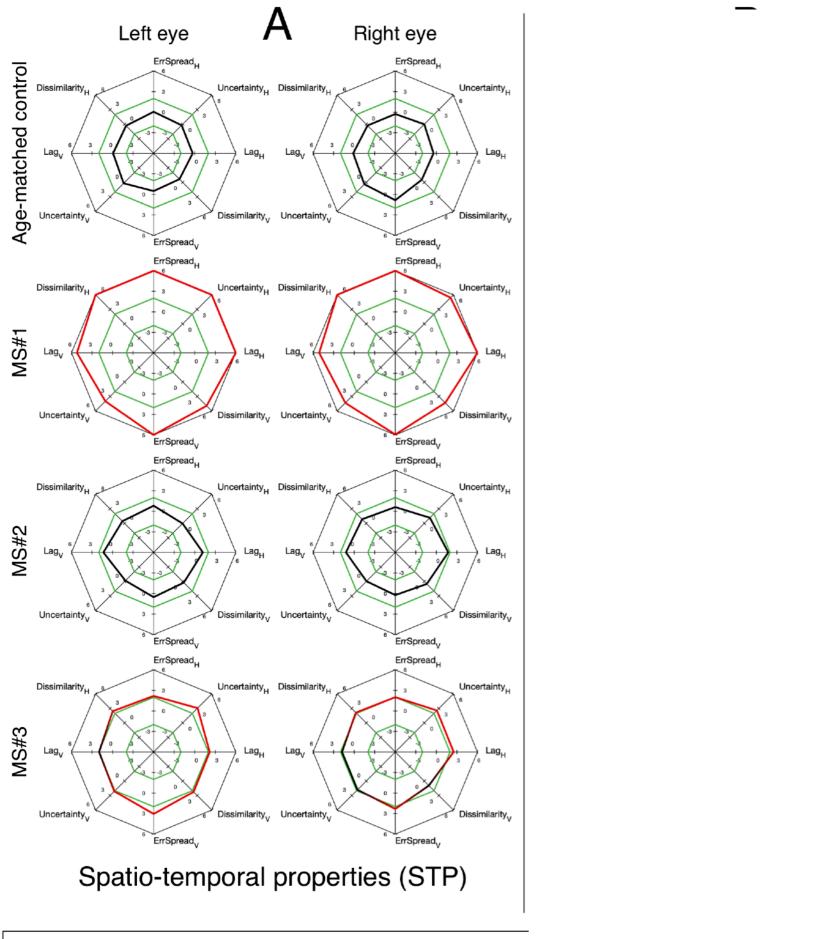
Right eye

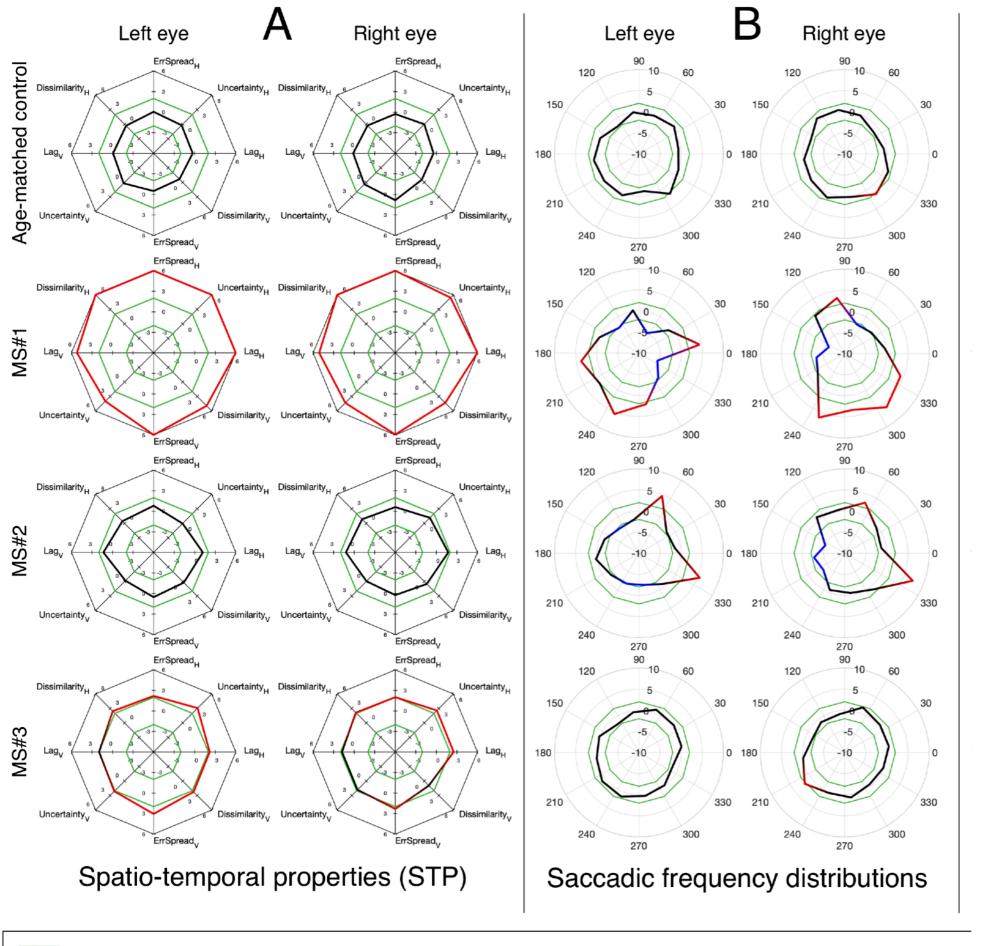


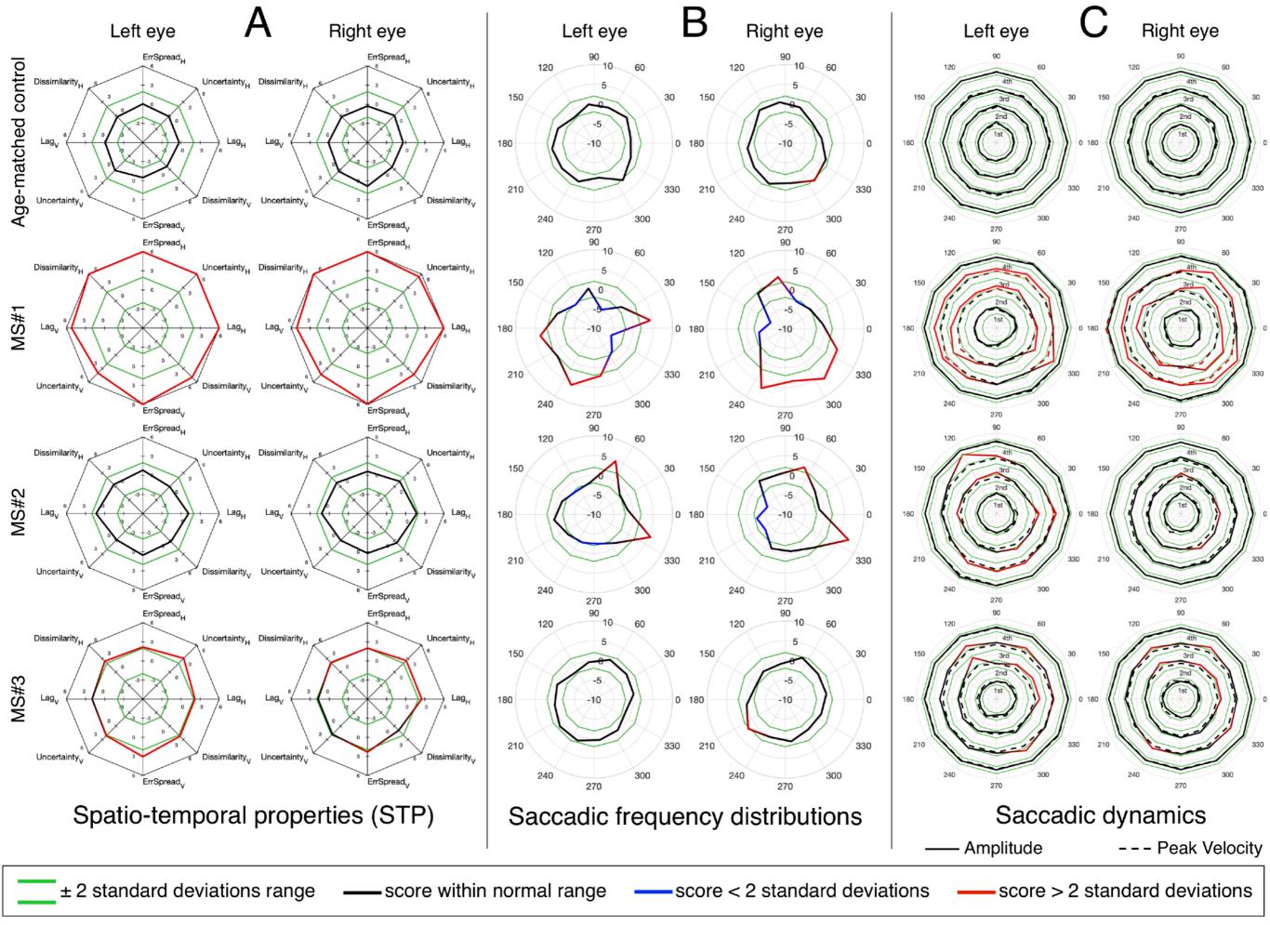










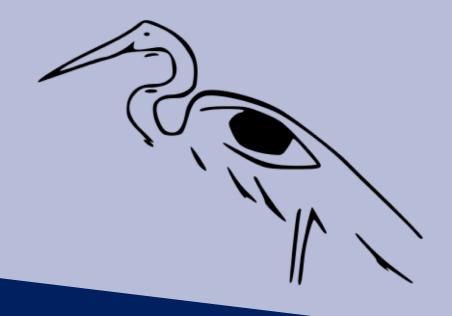


Conclusions

- The spatio-temporal properties of smooth and saccadic pursuit, combined with statistical and dynamic properties of individual saccades enables identifying oculomotor abnormalities in both MS and PD patients.
- Intuitive, fast (<5 min) and quantitative method for assessing oculomotor behavior
- SONDA (Standardised Oculomotor and Neurological Disorder Assessment) can complement confrontational testing
- Outlook: (simultaneous) perimetric assessment

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