

Stellingen behorende bij het proefschrift

“Optimal Control of Compensatory Eye Movements”

1. The superposition principle of linear systems is violated in all compensatory eye movements tested (VOR, OKR, VVOR, SVOR) with SoS stimuli and power spectra of the stimuli does not yield any distortion products. (this thesis)
2. Regardless of optimal tuning for low velocities one finds a preference for higher frequencies in OKR in response to complex stimuli. (this thesis)
3. Complex spikes partially encode a motor component, rather than pure retinal slip during stimulation more complex than traditional sine waves. (this thesis)
4. The state predicting feedback control (SPFC) framework is a robust computational model that successfully mimics the behaviour of all CEM conditions. (this thesis)
5. Genetic ablation of the PF-PC LTP pathway abolishes anodal-induced faster learning in direct current stimulation but cathodal-induced slower learning persists. (this thesis)
6. Experience: that most brutal of teachers. But you learn, my God do you learn ~ C.S. Lewis
7. Science is a dance. Dance is a science. ‘Those who were seen dancing were thought to be insane by those who could not hear the music’ ~ Friedrich Nietzsche
8. Life is a joke. Most people don’t get it...
9. Semper aliquid novi Africam adferre ~ Pliny The Elder
10. After climbing a great hill, one only finds that there are many more hills to climb ~ Nelson Mandela
11. Kudzidza hakuperi ~ Monica Hope Sibindi
(Shona Translation: Learning never ends)

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