A parametric model for saccadic eye movement

This MATLAB software implements the saccade model described in the paper:

W. Dai, I. Selesnick, J.-R. Rizzo, J. Rucker and T. Hudson.
'A parametric model for saccadic eye movement.'
IEEE Signal Processing in Medicine and Biology Symposium (SPMB), December 2016.
DOI: 10.1109/SPMB.2016.7846860.

The saccade model corresponds to the 'main sequence' formula

$$V_p = \eta(1 - \exp(-A/c))$$

where V_p is the peak saccadic velocity and A is the saccadic amplitude and η and c are parameters of positive value.

Programs

saccade_model.m:
   parametric model for saccadic waveforms

Example_1:
   simulation of a saccade waveform

Example_2
   simulation of sequence of saccade waveforms

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