The matlab file contained here contains some objects described here

COEFFS 1x1 2159658 struct

FITS 1x1 46828266 struct

tables 1x1 7762736 struct

COEFFS - coefficients for HRF, spline and FIR model fits to thermal and mechanical stimuli.

\*.subjid - subject labels

\*.cond\_labels - experimental condition labels describing the organization of hrf, spline and fir fields

\*.hrf - a condition x subject cell array of hrf coefficient estimates

\*.spline - a condition x subject cell array of spline coefficient estimates

\*.fir - a condition x subject cell array of finite impulse response function coefficient estimates, one per TR.

\*.bfhrf - hrf basis function (already convolved with the standard stimulus duration). Sampling rate is 0.46/16 = 0.02875

\*.bfspline - spline basis function. Sampling rate is 0.02875

\*.bffir - FIR basis functions. Sample rate is 0.02875

\*.region\_labels - ignore this field. All data corresponds to OP regions.

FITS - evoked responses estimated under the HRF, spline or FIR models

\*.subjid - subject labels

\*.cond\_labels - experimental condition labels describing the organization of hrf, spline and fir fields

\*.hrf - a condition x subject cell array of hrf response estimates. Sampling rate is 0.02875 (truncate this to get it to the same length as \*.spline or \*.fir).

\*.spline - a condition x subject cell array of spline response estimates. Sampling rate is 0.02875. (pad the end to get it the same length as \*.hrf)

\*.fir - a condition x subject cell array of finite impulse response function response estimates. Sampling rate is 0.02875. (pad the end to get it the same length as \*.hrf).

\*.bfhrf - hrf basis function (already convolved with the standard stimulus duration). Sampling rate is 0.46/16 = 0.02875

\*.bfspline - spline basis function. Sampling rate is 0.02875

\*.bffir - FIR basis functions. Sample rate is 0.02875

\*.region\_labels - ignore this field. All data corresponds to OP regions.

nan’s in the above objects indicate missing data.

tables - long form tables that contain all of the model coefficients and basis functions.

\*.firDat - FIR model data. Note the splineIdx column is mislabeled. It should be FIRindex but nevertheless indexes time from window onset

\*.splineDat - spline model data

\*.hrfDat - HRF model data. splineIdx column can be ignored.

\*.hrfbf - HRF basis function

\*.splinebf -spline basis function

\*.firbf - FIR basis function

\*.t - time corresponding to basis functions