

mepFunction_UP

Initialise
Get User Information
Set Important Variables
File Handling
Configure TMS and NI
Setup Psychtoolbox

Start Experiment
gather some dummy data,
so the experiment can
begin, and the calculations
are not thrown off

record = true
Start Core Loop
FROM 1 to nMeps
set a few variables

WHILE loop until
exittrial = true

record = true

IF trialstate == 3,
& Timing good

WHILE keyboard press or
movie end
play movie frame/frame, at
appropriate time fire TMS

IF Trialstate 1
check background EMG
also draw dots

IF Trialstate 2
check background EMG
also fixation cross

IF Trialstate 3
pause for data collection

IF Trialstate 4
show feedback

Execute
Trialstate

IF trialstate == 1,
& time and EMG good
clear data, record false
move to trialstate = 2

IF trialstate == 2,
& time and EMG good
clear data, record false
move to trialstate = 3
start fixation

IF trialstate == 3,
& time good

Move to trialstate = 4
Save Feedbackdata
get TMS-onset time
Calculate averages
provide sound feedback
Clear Data and set record to false

IF trialstate == 4,
& time and EMG good
clear data, record false
exittrial = true

Control/Change
Trialstate

(and Calculations)

Cleanup and Recording
funciton
END