Description CI coding strategy CIS and n-of-m

This coding strategy is based on the description of Nogueira et. al (2005). The package includes four coding examples: 1. CIS with all electrodes activated, 2. CIS with electrode 7 and 8 switched off, 3. N-of-m with 7 electrodes active in one cycle, 4. FL-F0F1F2.
In the script START_STIMULATION.m variables can be adjusted and the coding strategy can be chosen and started. For each strategy a separate parameter file exists.

Variables of START_STIMULATION.m:

```
Strategy:   1, 2 or 3 as described above.
T_Thresh:   Threshold in CU
C_Thresh:   Comfortable level in CU
CalibLevel: x dB above base level. According to the level the RMS of the
            input wav file is calibrated.
```

Variables of Parameter file:

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m:                Fix for Med EL (12)
nDeactivated=[]:  Electrode number that is deactivated
n:                Number of stimulated electrodes in one Cycle. Has to be
                  adjusted if n-of-m strategy is used OR if electrodes are
                  deactivated.
Pps:              1x12 vector. Pulse rate needs to be equal for all
                  electrodes.
ipg:              Inter phase gap (µs)
PulseWidth:       Width of one pulse phase
CIFs:             Sampling rate ofInput sound file
Sequence:         Order in which electrodes are stimulated
T:                Defined in START_STIMULATION.m
C:                Defined in START_STIMULATION.m
B:                Base level. Level that is mapped to individual T-Level
M:                Maximum Level. Level that is mapped to individual C-level
CompFac:          Compression Factor for loudness growth function
vol:              Limits C Level and therefore dynamic range. 1 = 100 %
```

From the script START_STIMULATION.m the function CIStrat.m is run. The Output of CIStrat.m can directly be used for the Wrapper for direct stimulation of MED EL electrode arrays.

REFERENCE

Nogueira, W., B ¨uchner, A., Lenarz, T., & Edler, B. (2005). A psychoacoustic nofm-type speech coding strategy for cochlear implants. EURASIP Journal on Applied Signal Processing, 2005, 3044–3059.