

Present Stimulus with Random Phase in BioSig

1. Make signal in SigGen

1. Set up signal duration, sampling period, calibration, etc.;
2. Define a variable as random phase (use randomized method);
3. Define signal component (tone) using this random phase;
4. Save this signal.

2. Present Stimulus in BioSig

1. Configure BioSig;
2. Assign the stimulus to be presented;
3. Define acquisition. Since the random phase varies per SigGen Index, if you are taking 50 averages, of this 50 acquisitions, the stimulus has the same phase. Since in BioSig the minimum number of averages is 2, so there are at least two consecutive presentations which have the same phase.;
4. Present the signal.