

Brain2Brain synchronization between two neural responses.



Brain and Body Coupling

M1:N=R

Coupled

Oscillations

N Frequency

M1 Frequency

between body and brain oscillations.

We aim to create a framework for the measurement and analysis used to decode the brain oscillations in naturalistic scenarios. Entrainment and resonance are theoretically informed mechanisms describing how subjects are likely to respond to naturalistic stimuli that is oscillatory in nature. A framework of resonance/entrainment can therefore inform how the brain will respond to stimuli in naturalistic scenarios. We maintain a github repository

https://github.com/Pandey-Pankaj/Resonance-Toolbox to cover the following aspects:

- Resources for external and internal entrainment
- Publicly available brain imaging datasets

TUDelft



Recent work (Klimesch) has shown entrainment effects

• Codes for implementing and computing the relationship