

Alpha Desynchronization during Observation of Apparent Motion Illusion

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To investigate cortical responses to motion perception, a magnetoencephalographic (MEG) measurement was performed during observation of apparent motion (AM) illusion. We carried a wavelet transform for the MEG data during the AM illusion to examine fluctuations of alpha band desynchronization (ERD). We found that attenuation of the ERD under the absence of the illusion was more pronounced in occipital and frontal regions, while the ERD under the optimal illusion was not attenuated in parietal region. The ERD in parietal region might be evoked by a different way than those in occipital and frontal regions in response to motion perception.