

ベイズ振動子分解による地震波データの解析

Bayesian oscillator decomposition for seismic data

*松田 孟留¹*Takeru Matsuda¹

1. 東京大学

1. The University of Tokyo

Many time series including seismic data are naturally considered as a superposition of several oscillators. Matsuda and Komaki (2017a,b) proposed a Bayesian statistical method for decomposing time series data into oscillators by using Gaussian linear state space models. For example, this method can be used to extract neural oscillators (such as alpha, beta, and gamma) from neuroimaging data. In this study, we apply this method to seismic data and investigate the extracted oscillators.

キーワード：ベイズ統計、状態空間モデル、データ同化

Keywords: Bayesian statistics, state space model, data assimilation

