

データ同化を用いた断層すべりの現状把握および短期推移予測

Data Assimilation for Fault Slip Monitoring and Short-Term Forecasting

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Monitoring and forecasting fault slip behavior in subduction zones is essential for understanding earthquake cycles and assessing future earthquake potential. In this presentation, I will introduce a series of studies that apply data assimilation to fault slip monitoring and short-term forecasting of the 2010 Bungo Channel slow slip event. In particular, I will demonstrate the potential of physics-informed neural networks potential to advance our understanding of fault mechanics and to enable physics-based fault slip forecasting.

References:

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