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(2017-05-01~2019-01-23)

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Research interest:

Computational seismology,

Wave propagation,

Numerical approximation and analysis

Education:

2012/4-2017/3 Department of Earth and Planetary Science, Graduate School of Science, University of Tokyo (PhD in Science)

2010/4-2012/3 Department of Earth and Planetary Science, Graduate School of Science, University of Tokyo (M.S.)

2009/4-2009/9 Department of Physics, Graduate School of Science and Technology, Sophia University

2005/4-2009/3 Department of Physics, Faculty of Science and Technology, Sophia University (B.S.)

Peer-reviewed Publications:

Hasegawa, K., Geller, R.J. & Hirabayashi, N., 2016. An error analysis of higher-order finite-element methods: effects of degenerate coupling on simulation of elastic wave propagation, *Geophys. J. Int.* **205**, 1532-1547.

Hasegawa, K., Mizutani, M., Geller, R.J. & Hirabayashi, N., 2013. Dispersion analysis of an optimally accurate 3-D finite difference scheme for the elastic case, *Proceedings of the 11th SEGJ International Symposium*, Yokohama, Japan, 18-21 November 2013, DOI: 10.1190/segj112013-010.