Stanford



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Bio

HONORS AND AWARDS

- Shah Fellowship on Catastrophic Risk, Stanford University
- EDGE Doctoral Fellow, Stanford University

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , Structural Engineering (2023)
- Bachelor of Science, Georgia Institute of Technology , Civil Engineering (2019)

LINKS

- Personal Website: https://www.nathangirmay.com/
- Google Scholar: https://scholar.google.com/citations?user=icKSHZ4AAAAJ&hl=en

Publications

PUBLICATIONS

- **Influence of Earthquake Principal Stress Axes on the Orientation of Maximum Horizontal Intensity in Strike-Slip Earthquakes** *BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA*
  Girmay, N., Miranda, E.
  2026
- **Ground-Motion Intensity in Caraballeda During the 24 June 2026 Mw 7.5 Venezuela Earthquake Estimated from CCTV Video** *SEISMIC RECORD*
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- **Component-To-Component Variability of Response Spectral Ordinates from Strike-Slip Earthquakes** *EARTHQUAKE SPECTRA*
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- **Evaluation of directionality in physics-based ground motion simulations of strike-slip earthquakes** *EARTHQUAKE SPECTRA*
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- **Directionality and polarization of response spectral ordinates in the 2023 Kahramanmaras, Türkiye earthquake doublet** *EARTHQUAKE SPECTRA*
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- **Orientation and intensity of maximum response spectral ordinates during the December 20, 2022 Mw 6.4 Ferndale, California earthquake** *SOIL DYNAMICS AND EARTHQUAKE ENGINEERING*
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- **Evaluation of Seismic Demand on Bridge Nonstructural Components Using ASCE 7** *Fifth International Workshop on the Seismic Performance of Non-Structural Elements (SPONSE)*
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