

Mastodon: Seismic Analysis and Risk Assessment Tool

A probabilistic tool for seismic risk assessment, simulating wave propagation and analyzing risk over time for various soil structures.

Mastodon is used for seismic analysis and risk assessment. It can simulate source-to-site wave propagation and analyze risk over time during a simulated event for 1D, 2D and 3D soil structures. Mastodon's risk assessment is probabilistic meaning it can estimate the likelihood of an outcome as well as provide a deterministic analysis of risk.

This software is open source and available at no cost. Download now by visiting the product's [GitHub page](#).

Category

Nuclear Computational Resource Center
Modeling and Simulation

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