

Modeling tremor sources in a pore-pressure-diffusive system

Earthquake source: simplistic fault valves

Extremely concise description
of how fluid circulation is
modeled

Seismic events are **triggered** by
fluid circulation and **affect it**

*#Animation of a valve cycle,
showing: **variation of**
permeability, **pore pressure**
profile, and **mass flux**#*

Creates interactions, can patterns emerge from it?

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From one source to a lot of sources

Description of how we make a large set up:

- boundaries
- valve distribution

*#Animation of a run with
N valves randomly
distributed opening and
closing#*