

## Virtual California: inner workings, recent results and future development

Virtual California is a computer simulation which models the earthquake fault system in California. It is designed for fast execution which allows many thousands of events to be generated over very long simulated time periods. The result is a rich dataset from which to study the statistical properties of rupturing fault systems. In this presentation I will describe the inner workings of the Virtual California simulation. I will also present some recent simulation results and discuss future plans for extending its functionality.