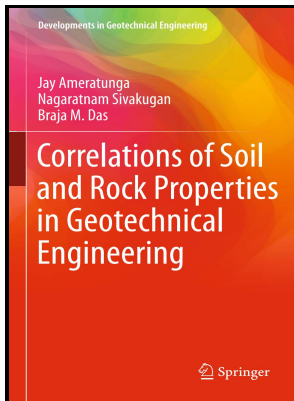


# Predicted and measured seismic velocities and densities in rock samples from Chalk River, Ontario. by C. Wright and D.C. Kamineni

Atomic Energy of Canada Ltd. - Predicted and measured seismic velocities and densities in rock samples from Chalk River, Ontario



Description: -

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Radioactive waste disposal  
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Finally, we use catalog data from the Gulf of Corinth to show that this scaling relationship can be extended into the thicker lithosphere of continental rift systems. The instruments must have a sampling rate and frequency range sensitivity capable of distinguishing between waves arriving at each station in the array.

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Furthermore, the shear wave velocity of the crust in North Iraq appears to be 10% higher than that of the Iranian plateau. Where available we adopt regional consensus models and adjust these to fit our format, otherwise we develop our own model.

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These methods allow the economical collection of subsurface data, provide the basis for more efficient collection of data by test drilling or aquifer tests, and result in improved hydrologic studies. In this regard, fixed smoothing models perform better than adaptive smoothing models. Of the roughly 1300 recordable earthquakes the maximum observed magnitude to date has been 3.

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Preservation of historic monuments and structures is therefore an important part of safeguarding these cultural heritage sites so that they retain their value for future generations. Little evidence is found for a pronounced upper mantle low velocity zone.

### **Predicted and measured seismic velocities and densities in rock samples from Chalk River, Ontario**

In order to accomplish this, seismic data are first transformed into the Laplace-Fourier Domain, which changes the modeling of the seismic wave field from wave propagation to diffusion. The model is based on a quasi-dynamic relationship between stress and slip coupled with a rate and state friction law. In this talk we show some preliminary results, summarize the overall strategy for building the new Italian PSHA model, and discuss in detail important novelties that we put forward.

### **Predicted and measured seismic velocities and densities in rock samples from Chalk River, Ontario**

He has been in several group exhibitions, including 2010s Buang in Makati City Alay in Quezon City, and 2011 in Taguig City, Philippines. Based on data obtained from U. The subduction zone interface is parameterized as a set of dipping area sources that follow the geometry of the surface of the subducting plate, whereas intraslab events are modeled as plane sources at depth; 2.

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