

Our students in geophysical engineering, BS and MS, are required to understand seismic wave propagation through elastic media and identify and interpret the different modes of propagation. It is difficult to find an affordable and user-friendly modeling package that can accomplish this in the context of a one semester course with numerous other requirements. Tesseral fits the bill for our needs. Tesseral is a user friendly stress-velocity (Vireaux) formulation. We can use it for all of our course based and research modeling. It is very easy to use because the user can start with JPG file of a model, digitize it, assign properties (Tesseral has very good defaults) and in no time create a SEG-Y 2D profile that can be partially processed in Tesseral or exported for analysis in other software. We don't know how we got along without it for so long.

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