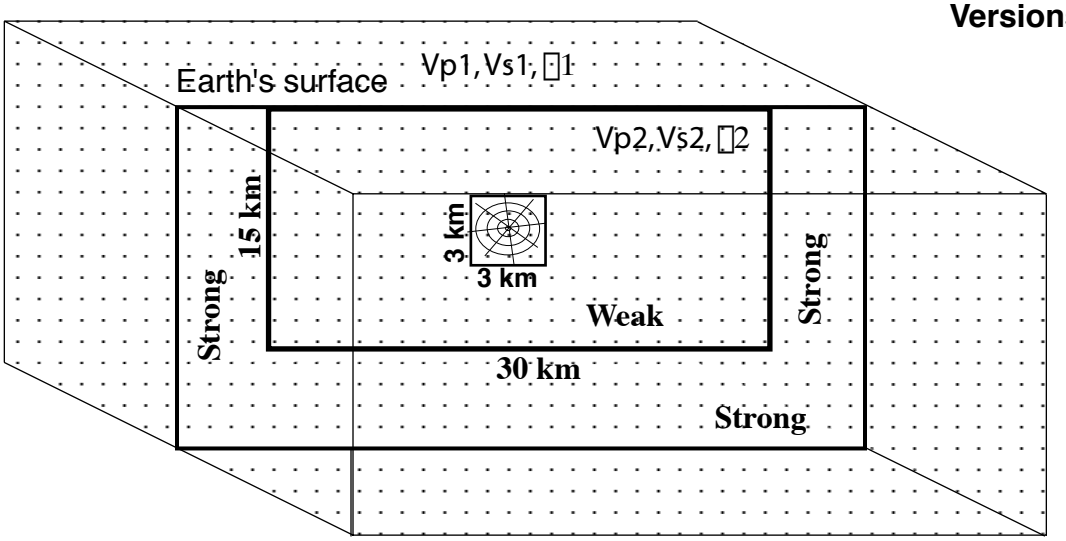
January 23, 2007

The Problem,
Versions 6, 7

Overall view:



Vertical strike-slip fault is the boundary between two materials.
On the far side of the fault, Vp, Vs, density = Vp1,Vs1,ρ1
On the near side of the fault, Vp, Vs, density = Vp2, Vs2, ρ2

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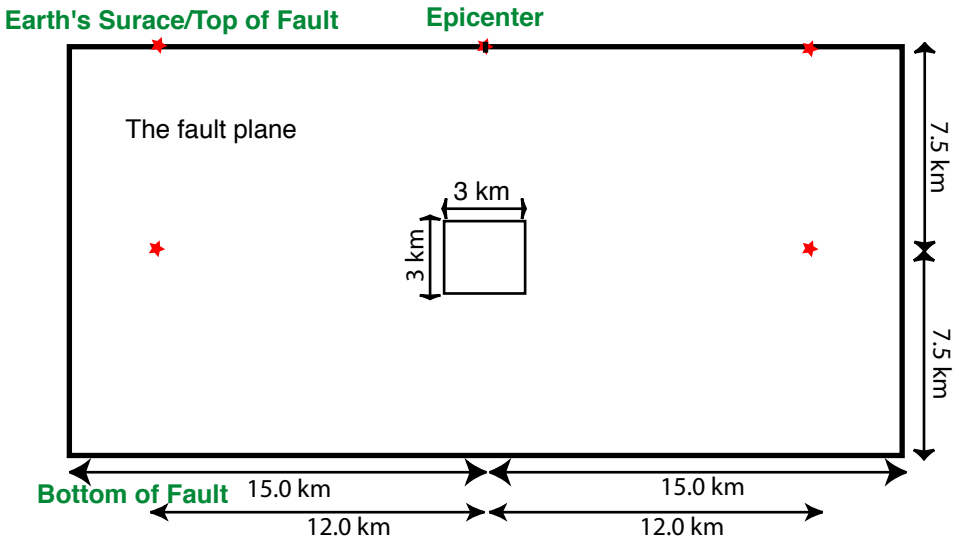
The fault plane (in a different scale from above), with stations immediately on the fault (**one station for each side of the split node**) are indicated by stars. Note that both sides of each split node are shown by one star, so that each star actually indicates two stations.

6 Stations on the Earth's surface (depth=0 km) are at
0 and +/-12.0 km along-strike distance from the epicenter.
4 Deeper Stations are at
+/-12.0 km along-strike distance from the hypocenter.