

Harmonic experiments with data from paper 91 using effective single-phase phase fluids

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Abstract

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Keywords: Fractures, poroelasticity, anisotropy, velocity dispersion, attenuation, finite elements.

Data for the next figures is given in Table 1 of paper 91.

1 Figures with the two-phase fluids code

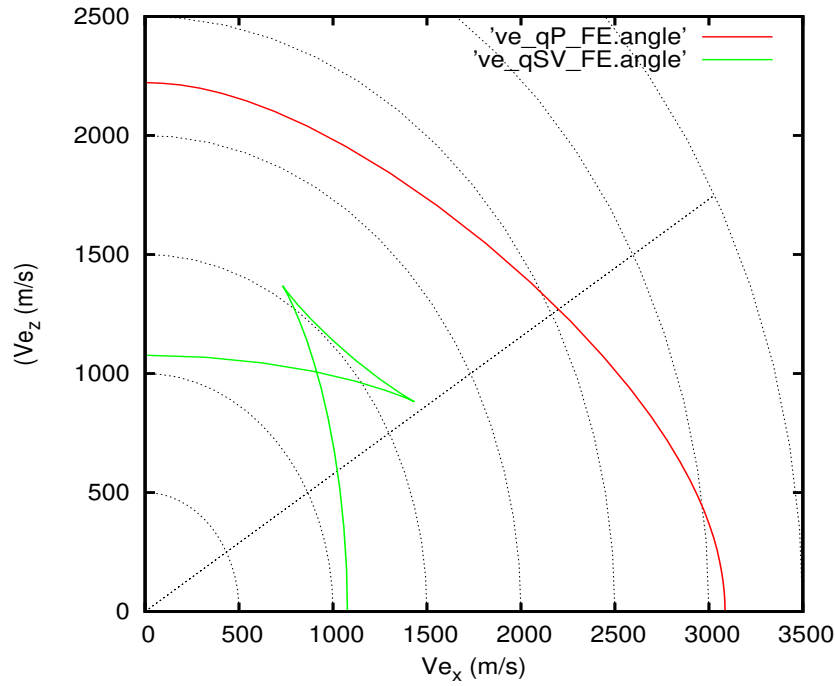


Fig. 1. Energy velocities of qP and qSV waves at 50 Hz as function of angle. The sample consists in 30 periods of illite-smectite and the kerogen porous solids, both saturated with effective fluids. Illite-smectite has 99% gas and 1% water fluid saturation, while kerogen gas 99% gas and 1 % oil fluid saturation. Properties of each constituent are taken from Table 1, paper 91.