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Seismic waves in stratified anisotropic media Gerard J. Fryer. Hawaii Institute of Geophysics, University of Hawaii at Manoa, 2525 Correa Road, Honolulu, Hawaii 96822, USA. ... Seismic Wave Propagation in Stratified Media , Cambridge University Press Kennett. B. L. N. ...

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Then Helmberger [1968] used the Cagniard-de Hoop method [de Hoop, 1960] to model refraction arrivals and thereby demonstrated the practicality of seismic modeling in the time domain. The Cagniard-de Hoop method is a generalized ray method, which means (in practical terms) that it is good for synthesizing first motions but not so good for the later parts of the

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Summary. The response of a stratified  
elastic half space to a general source  
may be represented in terms of the  
reflection and transmission properties of

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the regions above and below the source. For P-SV and SH waves and both buried sources and receivers, convenient forms of the response may be found in which no loss of precision problems arise...

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Seismic waves in a stratified halfspace 579 this simulates the direction propagation from a deep earthquake to the surface and has been used for this purpose by Kennett & Simons (1 976). For a deeper source it is convenient to be able to include pP, sP phases etc. ('surface ghosts') in addition to the direct phases.

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