

عنوان مقاله:

Influence of Heterogeneity on Rayleigh Wave Propagation in an Incompressible Medium Bonded Between Two Half-Spaces

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خلاصه مقاله:

The present investigation deals with the propagation of Rayleigh wave in an incompressible medium bonded between two half-spaces. Variation in elastic parameters of the layer is taken linear form. The solution for layer and half-space are obtained analytically. Frequency equation for Rayleigh waves has been obtained. It is observed that the heterogeneity and width of the incompressible medium has significant effect on the phase velocity of Rayleigh waves. Some particular cases have been deduced. Results have been presented by the means of graph. Also the findings .are exhibited through graphical representation and surface plot

کلمات کلیدی:

Heterogeneity, Incompressibility, Frequency equation, Rayleigh waves

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