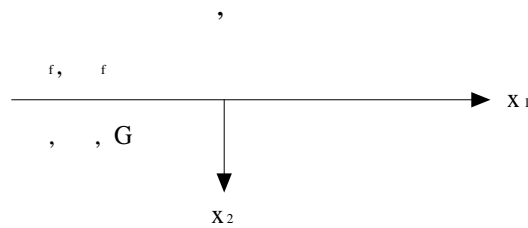


1.

Rayleigh



(a) Rayleigh  $(x_1, x_2, t)$   $(x_1, x_2, t)$

$c_T$  Lamé

(b)  $f(x_1, x_2, t)$

(c)

$$f(x_1, x_2, t) = f(x_2) \exp[i(kx_1 - \omega t)]$$

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$$f(x_2), f(x_2), f(x_2)$$

$$k^2 - \frac{\omega^2}{c_L^2} = p^2, \quad k^2 - \frac{\omega^2}{c_T^2} = q^2, \quad \frac{\omega^2}{c_f^2} - k^2 = s^2$$

\*

$$= A \exp(-px_2), \quad = B \exp(-qx_2),$$

$$f = C \exp(-isx_2)$$

(d)  $x_2=0$

(e)  $u_2, u_2^f, \dots, u_2^f, \dots, u_2^f$

, (\*)

(f) (e)

(g) (f) 0

?

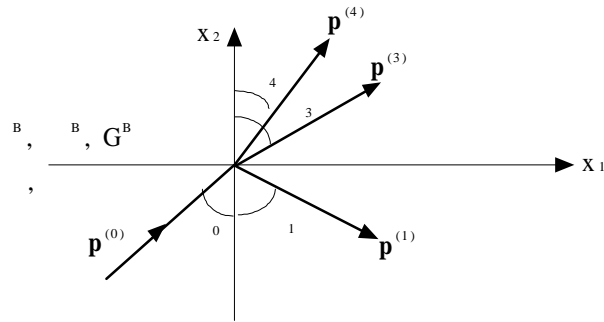
$$4 k^2 p q - (k^2 + q^2)^2 = ?$$

(h) wavenumber  $k$   $(k_R + i k_I)$

2.

가

가



(a)

$$\mathbf{u}^{(0)} = A_0 (\sin \theta_0 \mathbf{i}_1 + \cos \theta_0 \mathbf{i}_2) \exp[ik_0(x_1 \sin \theta_0 + x_2 \cos \theta_0 - c_L t)]$$

$\mathbf{u}^{(1)}, \mathbf{u}^{(3)}, \mathbf{u}^{(4)}$

(b)

$$k_2^{(0)}, k_2^{(1)}, k_2^{(3)}, k_2^{(4)}$$

(c)

$$k_{21}^{(0)}, k_{21}^{(1)}, k_{21}^{(3)}, k_{21}^{(4)}$$

(d)  $x_2=0$

(e)

wavenumber  $k_1, k_3, k_4$   $k_0$

(f)

(d)

(g)

$\theta_0$ 가 0

$\theta_0$ 가 0

(h)

$\theta_0$ 가  $90^\circ$ 가

가