$y \in^2_+$
(x, y)
$q \in^2$
$\Delta_e[(x; y)q]+$
$\omega^2[(x, y)q] =$
$-\delta_y(x)q^2_+,$
$\sigma((x, y)q)e_2 =$
$0\Gamma_0, (\textbf{??})green\delta_y(x)$
x_1
$\hat{(}\xi, x_2; y_2) =$
$\int_(x_1, x_2; y)e^{-\imath(x_1-y_1)\xi}dx_1, \forall\xi \in$
$, [\textbf{?}]_1$
$\tilde{(}\xi, x_2; y_2) =$
$\hat{}_s(\xi, x_2; y_2)+$
$\hat{}_p(\xi, x_2; y_2)$
$\hat{}_s(\xi, x_2; y_2) =$
$\frac{1}{2\omega^2}\begin{pmatrix} \mu_s & -\xi\frac{x_2-y_2}{|x_2-y_2|} \\ -\xi\frac{x_2-y_2}{|x_2-y_2|} & \frac{\xi^2}{\mu_s} \end{pmatrix} e^{\imath\mu_s|x_2-y_2|},$
$\hat{}_p(\xi, x_2; y_2) =$
$\frac{1}{2\omega^2}\begin{pmatrix} \frac{\xi^2}{\mu_p} & \xi\frac{x_2-y_2}{|x_2-y_2|} \\ \xi\frac{x_2-y_2}{|x_2-y_2|} & \mu_p \end{pmatrix} e^{\imath\mu_p|x_2-y_2|}.\mu_\alpha =$
$(k^2_\alpha-$
$\xi^2)^{1/2}\alpha =$
s, p
$k_p =$
$\omega/\sqrt{+2\mu}, k_s =$
$\omega/\sqrt{\mu}$
(x, y)
$_c(x, y) =$
$(x, y)-$
$((x, y)-$
$(x, y'))_1, -y_2)$
$x_1\textbf{????}_c(x, y)$
$\Delta_e[_c(x; y)q]+$
$\omega^2[_c(x, y)q] =$
$0^2_+,$
$\sigma(_c(x, y)q)e_2 =$
$-\sigma((x, y)-$
$(x, y'))\Gamma_0, \in$
$C\setminus\{0\}$
$z^{1/2}\sqrt{z}$
$\Im(z^{1/2}) \geq$
$0z =$
z_1+
$\mathbf{i}z_2$
$z_1, z_2 \in$
$^{1/2} =$
$sgn(z_2)\sqrt{\frac{|z|+z_1}{2}}+$
$\imath\sqrt{\frac{|z|-z_1}{2}}, \forall z \in$
$\setminus^-_+.^{1/2}\rightarrow$
0^+
$(z+$
$\imath)^{1/2}$
$(z-$
$\imath)^{1/2}$
$\textbf{????}x_2$
$\mu\frac{d^2(e^T_1{}_c\hat{q})}{dx^2_2}+$
$\imath(\lambda+$
$\mu)\xi\frac{d(e^T_2{}_c\hat{q})}{dx_2}+$
$(\omega^2-$
$(\lambda+$
$2\mu)\xi^2)(e^T_1{}_cq) = 0(\lambda + 2\mu)\frac{d^2(e^T_2{}_c\hat{q})}{dx^2_2} + \imath(\lambda + \hat{\mu})\xi\frac{d(e^T_1{}_c\hat{q})}{dx_2} + (\omega^2 - \mu\xi^2)(e^T_2{}_cq)\hat{} = 0(\textbf{??}) \begin{bmatrix} \imath\mu_s \\ -\imath\xi \end{bmatrix} e^{\imath\mu_s x_2}, \begin{bmatrix} \imath\xi \\ \imath\mu_p \end{bmatrix}(\xi, e^{\imath\mu_p x_2}x_2; y_2)(\textbf{??}) = \frac{1}{\omega^2\delta(\xi)}\sum_{\alpha,\beta}$
k^2_s-
$2\xi^2$
$\delta(\xi) =$
$\varphi(\xi)^2+$
$4\xi^2\mu_s\mu_p\textbf{?}$
$_{ss}(\xi) =$
$\Big(\varphi^2\mu_s\ -4\xi^3\mu_s\mu_p\Big)\ \ A\ (\xi)$