Sarah Clapoff NW 886385

## PAZ7 AS GOOD

CASE O: Layer thickness h, S-wave velocity B, and density P., own a haf space of S-nave velocity Bz + density Pz.

CASED: Layer thickness h, w/ rigid lower surface.

Show case a case as \$2,92 -00

DOPERSION RELATION CASE (U.

CASE (2):

lin ():

$$\frac{\omega h}{c_{\ell}} \sqrt{\frac{C_{\ell}^2}{B_{\ell}^2}} - n\pi = \frac{\pi}{2}$$

$$\frac{C_{L^{2}}}{\beta_{1}^{2}} = \frac{\pi^{2}(n+\frac{1}{2})^{2}}{\omega^{2}h^{2}} + 1$$

Let  $\beta = \beta_1$ , as  $\beta_2 \to \infty$ , as in case(1).

$$||C_{L}|| = \left[ \frac{1}{\beta^{2}} - \frac{(nr_{2}^{2})^{2} \pi^{2}}{b^{2} \omega^{2}} \right]^{-\frac{1}{2}}$$

TOISPERSION RELATION FOR (1) BECOMES

TOISPERSION RELATION FOR (1) BECOMES

TOISPERSION RELATION FOR (2) AS B2, 82 ->00

DISPERSION RELATION!