$$dF = \frac{9\pi D}{4} \frac{1}{2} \text{ ind } 2 + \frac{1}{2} \frac{1}{2}$$

(1B2) C1. F1 = PTD2 Cmr & sinh(kh) (05 (kx - wt) $\overline{F_2} = \left(\frac{kg \, \Im a}{\text{tw} \, (csh(kh))}\right)^2 |sin(kwt)| sin(kx-wt) \left(\frac{csh^2(kh+kz)}{csh(kh)}\right)^2$ Finh(2kh) = 2 cosh (kh). sinh(kh) $\int dz = \frac{1}{4k} \left(2 \cosh(kh) \sinh(kh) + 2kh \right)$ He Livesh (kh) 2 $T_2 = \frac{1}{2} \left(\frac{1$ $\frac{3^{2} \text{ kg tanh (kh)}}{3^{2} \text{ kg coh()}} = \frac{3^{2} \text{ kg}}{3^{2} \text{ kg coh()}} = \frac{3^{2} \text{ kg}}{3^{2} \text{ kg}}$ $\frac{3^{2} \text{ kg tanh (kh)}}{3^{2} \text{ tanh () cosh ()}} = \frac{3^{2} \text{ kg}}{3^{2} \text{ kg}}$ $\frac{3^{2} \text{ kg}}{3^{2} \text{ tanh (kh)}} = \frac{3^{2} \text{ kg}}{3^{2} \text{ tanh () cosh ()}} = \frac{3^{2} \text{ kg}}{3^{2} \text{ tanh () cosh ()}}$ For San (Schiller) $\frac{1}{2} = \frac{3}{3} \left(\frac{1}{2} + \frac{kh}{smh(kh)} \right) \left(\frac{1}{sin} \left(\frac{1}{kx - \omega t} \right) \right) \left(\frac{1}{sin} \left(\frac{1}{kx - \omega t} \right) \right)$ $C_2 = \frac{1}{2} \mathcal{P} C_0 D$

W= 217 20,419 F=BTDCmgBa lanh(kh) (es(kx-wt) $-\frac{1}{2}SC_0DS^2q(\frac{1}{2}+\frac{kh}{sinh(kh)}) 1sin(kx-wt) 1sin(kx-w$ y = 0, (m = 2, 1.05v.) = 1025.Fay17 = 7,56-10 Cos(w:t)+1,14.10 /sin(0.4198)/sin(0.4198) RL = 0.02223 - 282,64 = 2,22311 - GS(0.419 E-2,223) + - H- | 5m (0,419t - 2,223) phase shifted, Same Amp.

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