Scattering of scalar wave by a high-velocity sphere $V(r) = V_0 (1 + \varepsilon)$ for r < afor r > a $(V_0 = 4 \text{ km s}^{-1}, a = 5 \text{ km}, \varepsilon = 0.05)$ [km²] [km²] 10^{4} 400 **(b)** (a) $\varepsilon^2 a^2 k_c^2 = 1$ Born app 300

