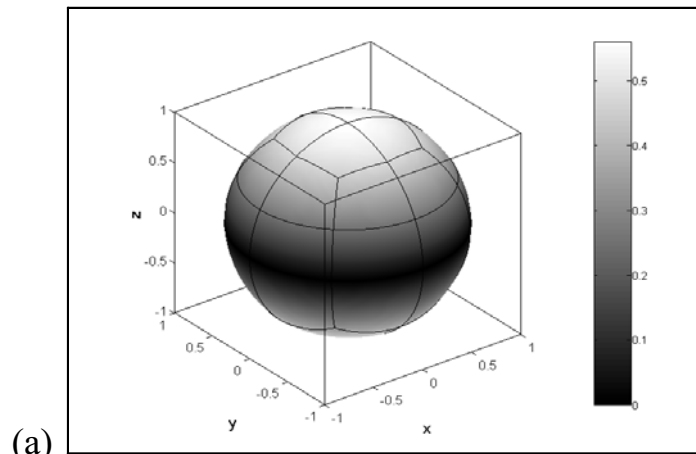


Erratum: "Directly Derived Non-Hyper-Singular Boundary Integral Equations for Acoustic Problems, and Their Solution through Petrov-Galerkin Schemes"
CMES:Computer Modeling in Engineering & Sciences, vol. 5, no. 6, pp. 541-562.

Z.Y. Qian¹, Z.D. Han¹, and S.N. Atluri¹

It was found that the following figures were not printed clearly.



(a)

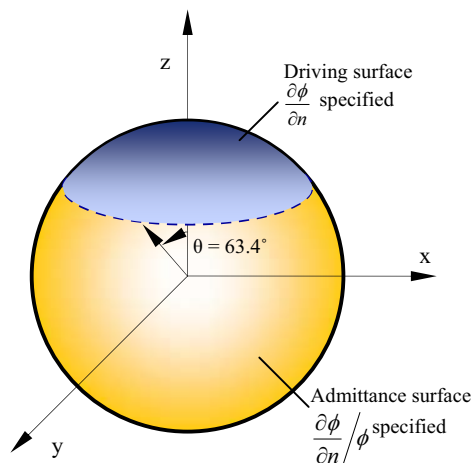
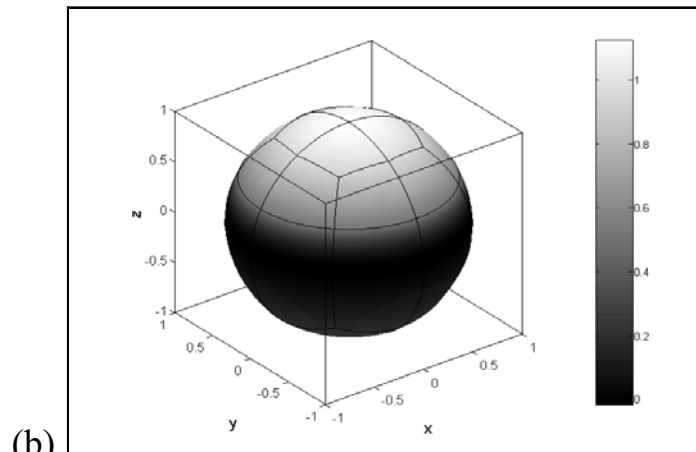


Figure 3 : Specifications of boundary conditions on the surface of the sphere



(b)

Figure 4 : Numerical solution by SGBEM-R-phi-BIE & SGBEM-R-q-BIE of (a) $|\phi|$; (b) $\left| \frac{\partial \phi}{\partial n} \right|$ on the surface

¹ Center for Aerospace Research & Education, 5251 California Ave, #140, University of California, Irvine, CA92612, USA

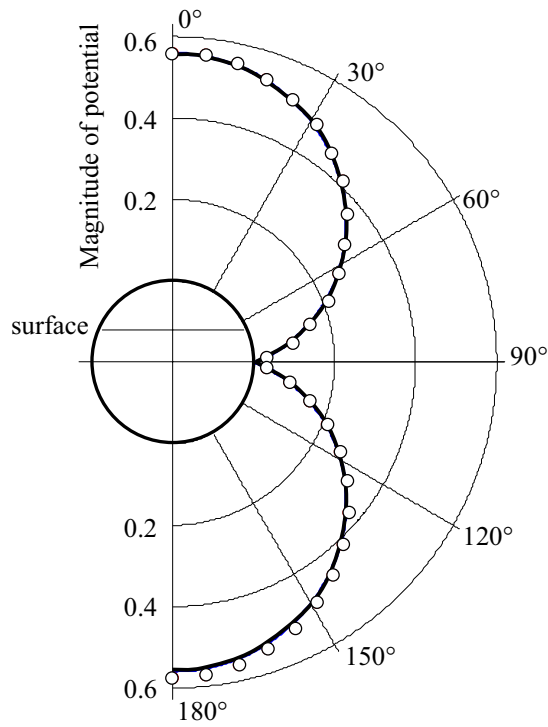


Figure 5 : Exact and numerical solution of $|\phi|$ for $k = 2$: -, Exact; o, SGBEM-R- ϕ -BIE & SGBEM-R-q-BIE

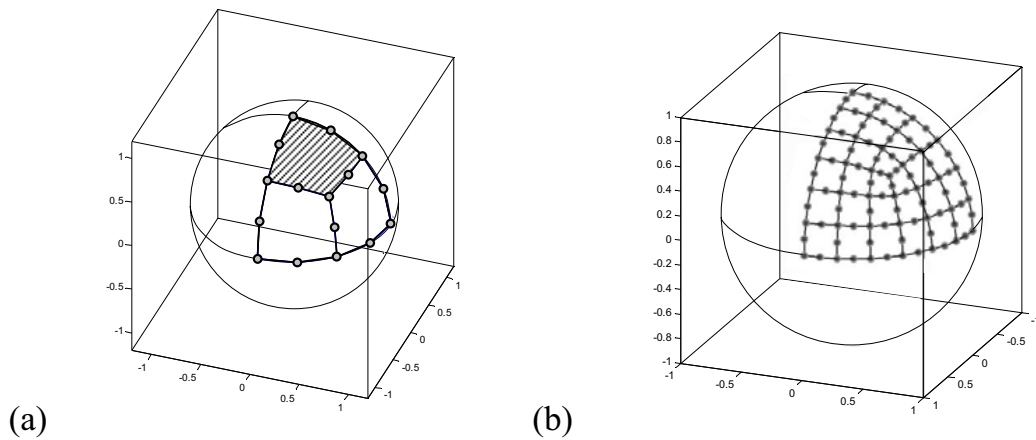


Figure 7 : Surface discretization with quadrilateral elements (a) 24 element model; (b) 216 element model

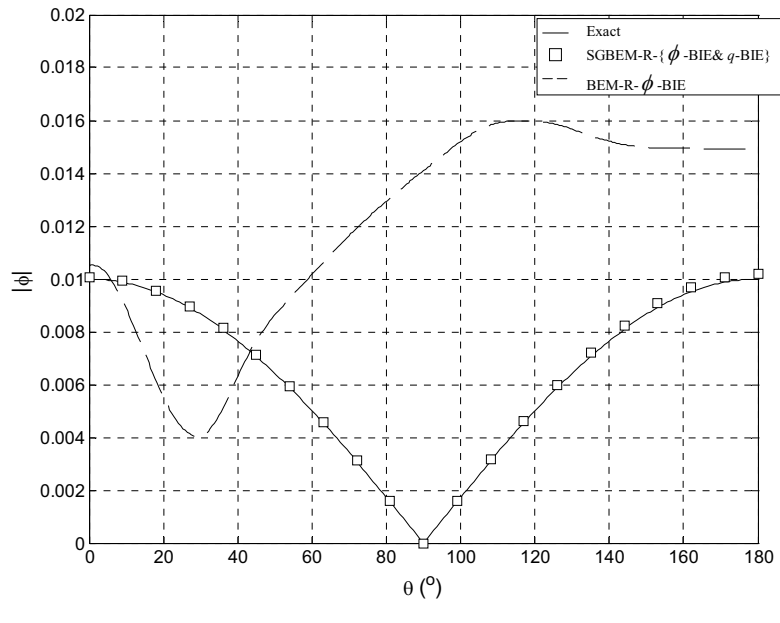
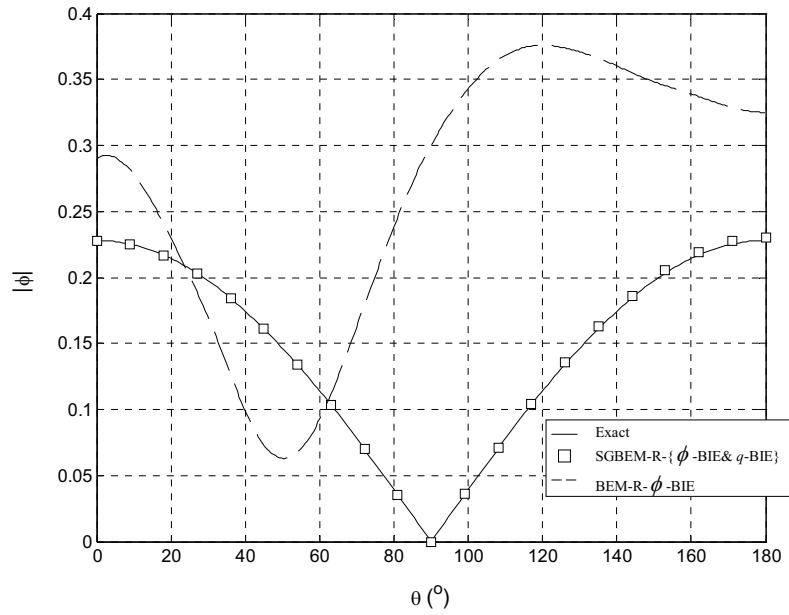


Figure 6 : Solutions of $|\phi|$: (a) on the surface and (b) at the far field ($kr=100$); $k = 4.49$

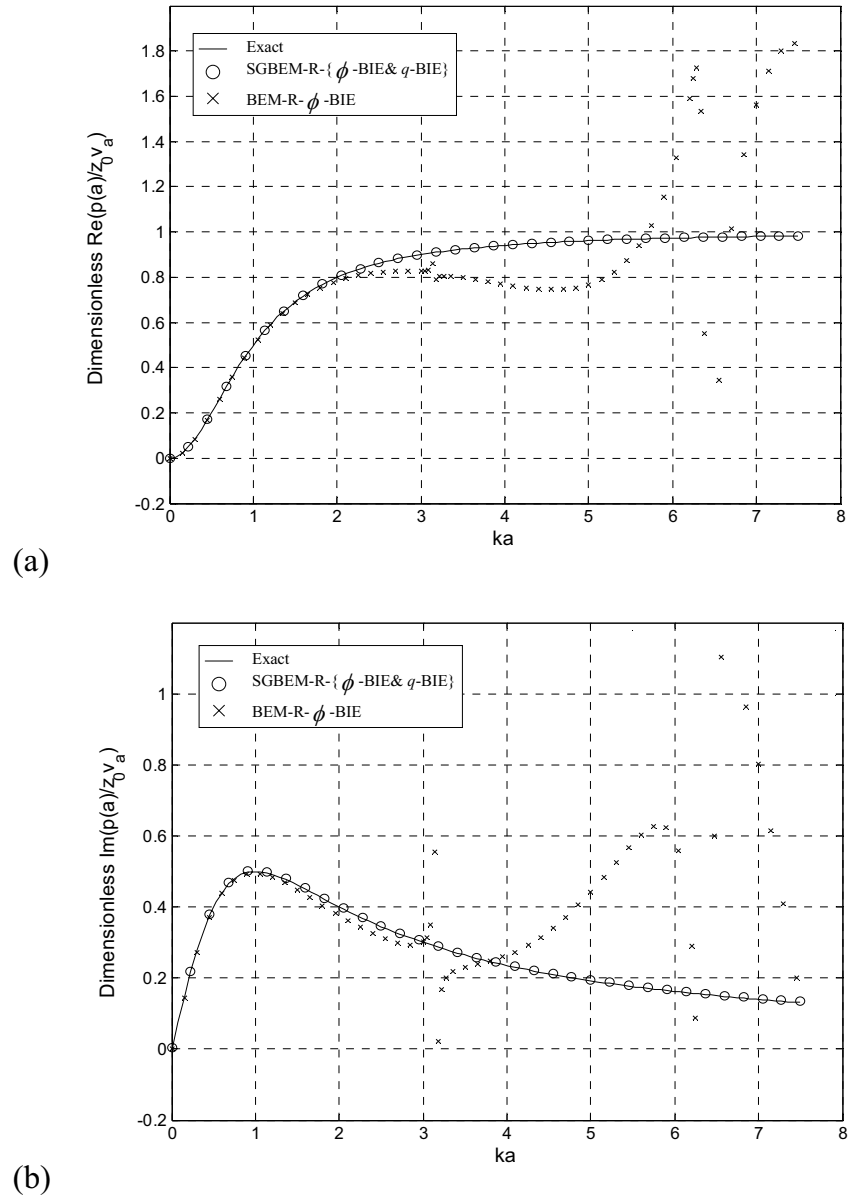
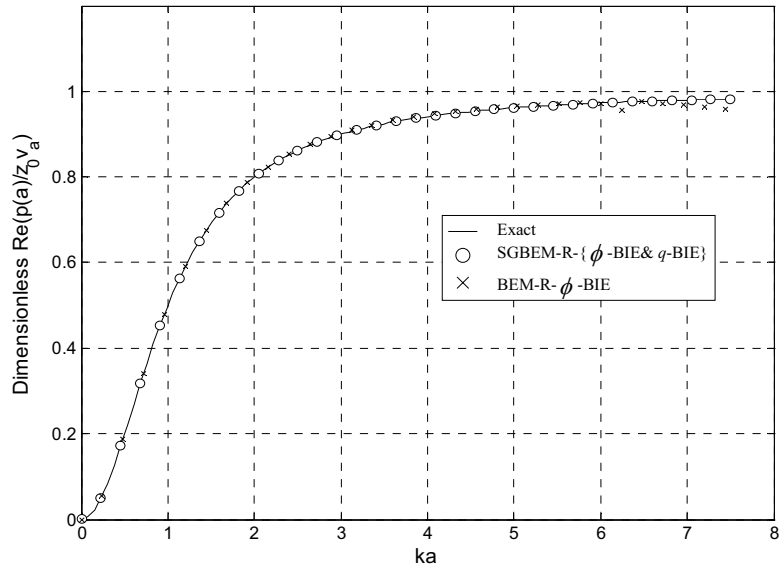
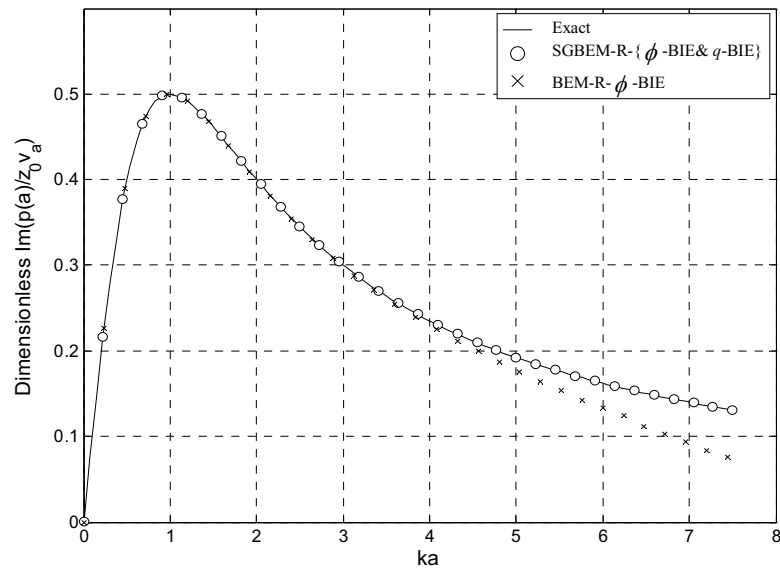


Figure 8 : Dimensionless surface acoustic pressure of a pulsating (24 elements): (a) real part; (b) imaginary part



(a)



(b)

Figure 9 : Dimensionless surface acoustic pressure of a pulsating sphere (216 elements): (a) real part; (b) imaginary part

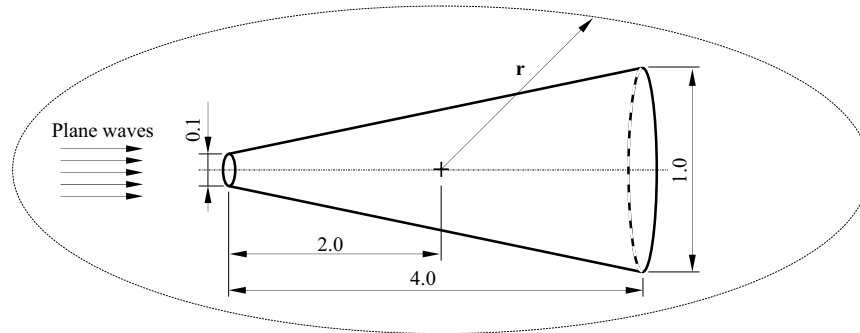


Figure 10 : The geometry of the truncated ordinary cone

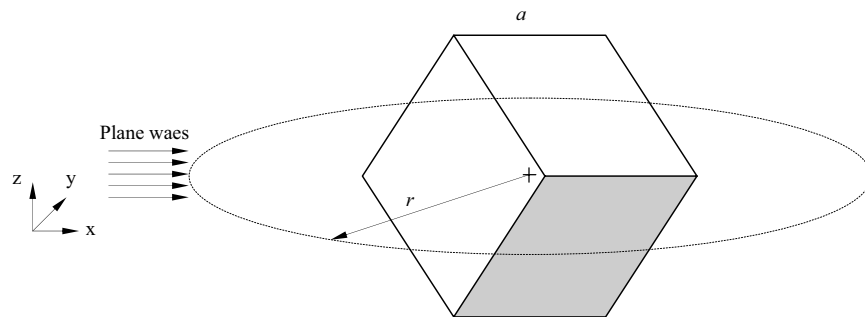


Figure 11 : The geometry and the location of the cube

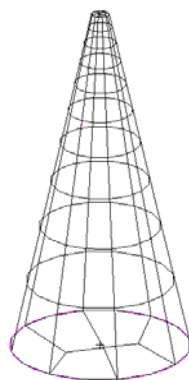


Figure 12 : The surface discretization of the cone with 92 8-node quadrilateral elements

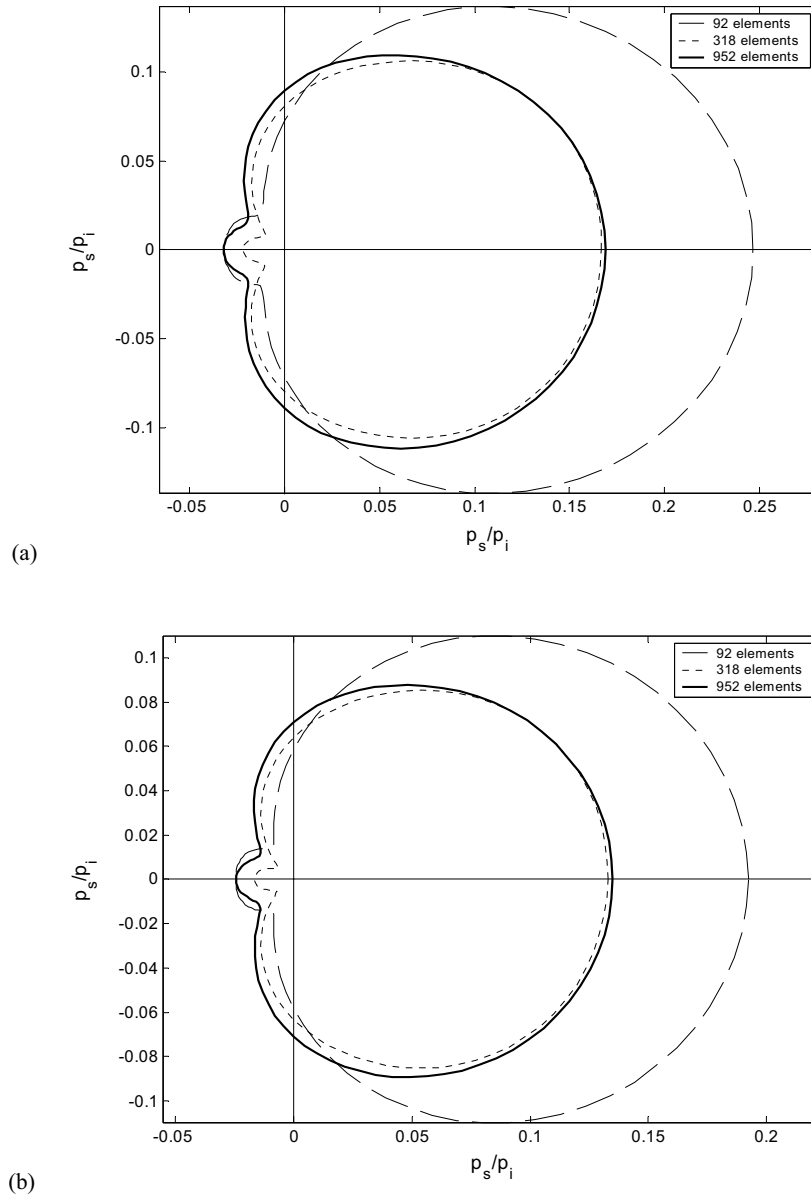


Figure 13 : The angular dependence of $\frac{p_s}{p_i}$ for a truncated ordinary cone with (a) $r = 8.0$; (b) $r = 10.0$; and $ka = 1$

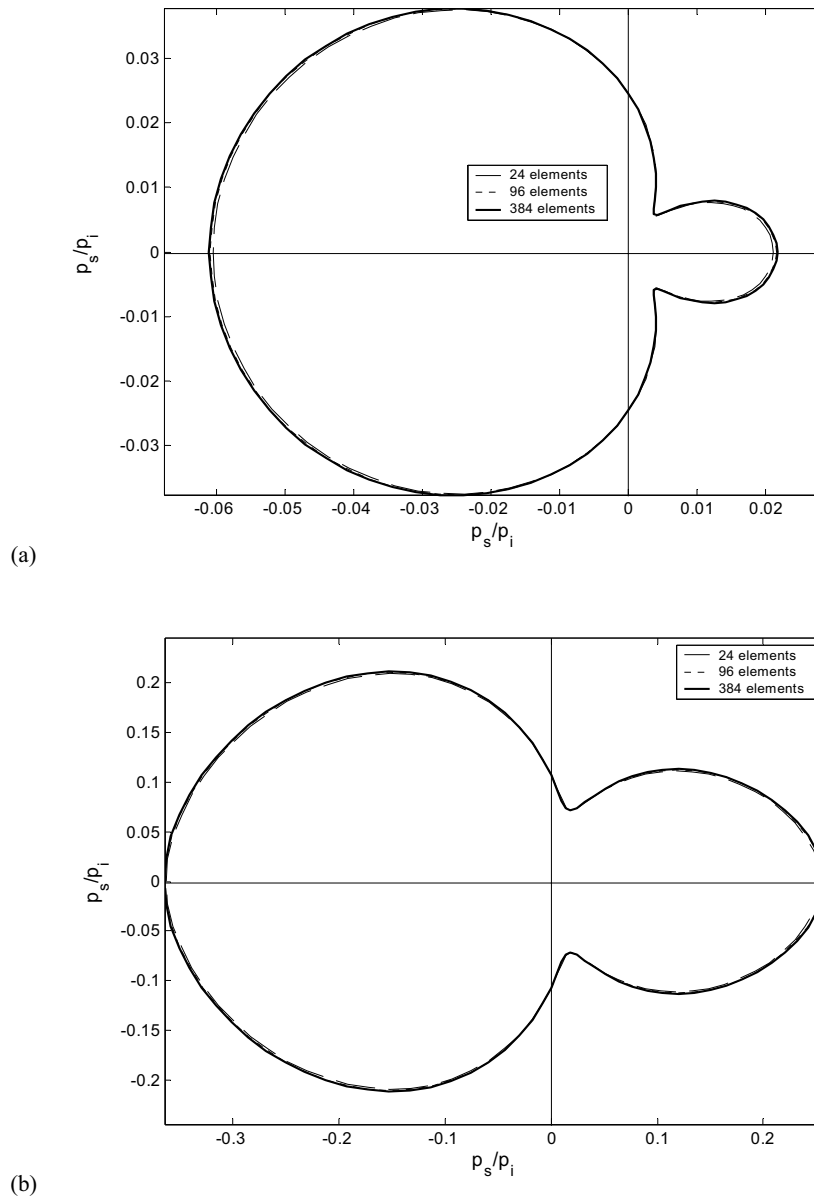


Figure 14 : The angular dependence of $\frac{p_s}{p_i}$ for a cube with (a) $r = 1.0$; (b) $r = 5.0$; and $ka = 1$

