Figures 17–24

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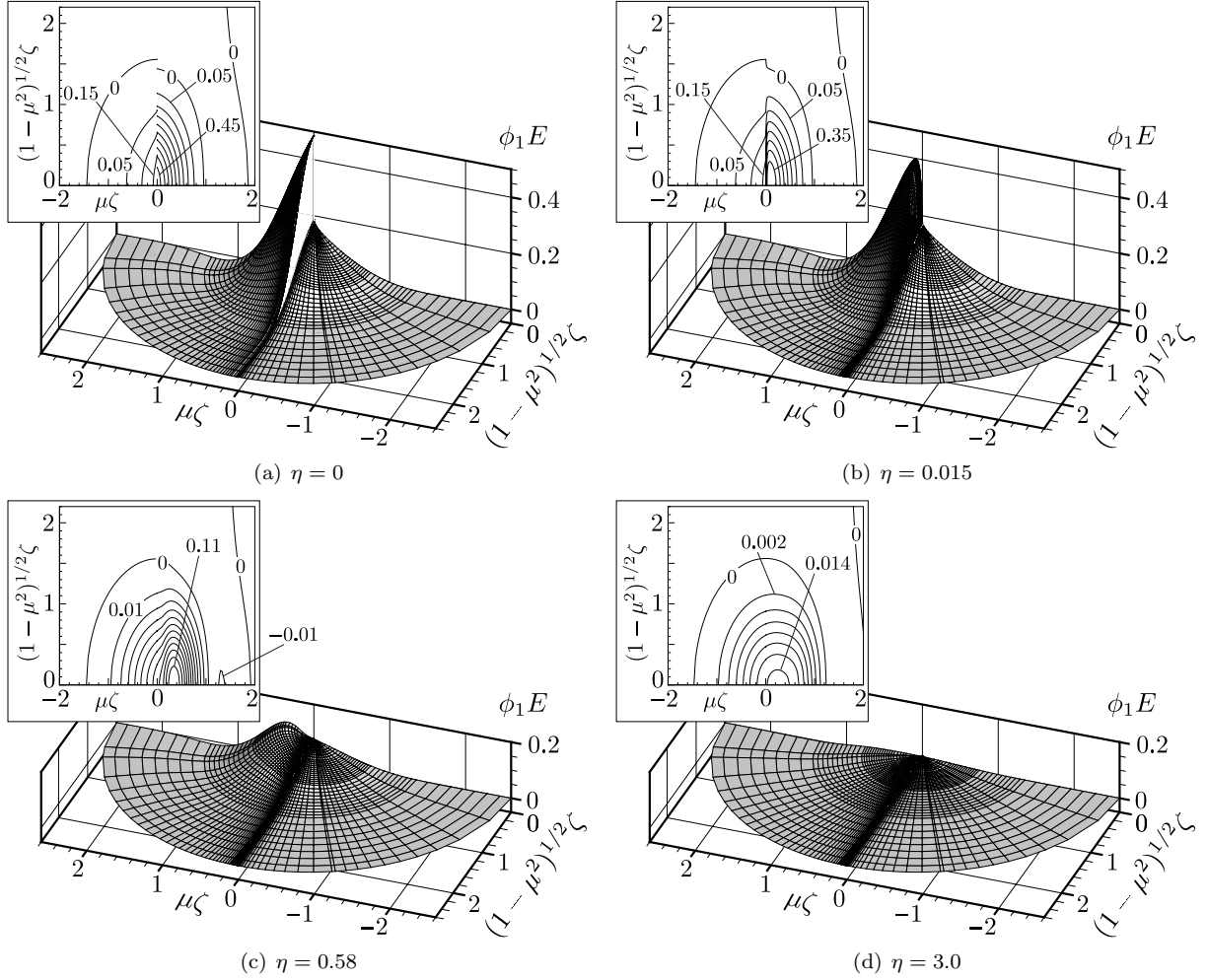
See `Note_V2.pdf` for the explanation of figures below.

Figure 17: $\phi_1 E$ for the ES model (Pr = 2/3) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.05 in (a) and (b), 0.01 in (c), and 0.002 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
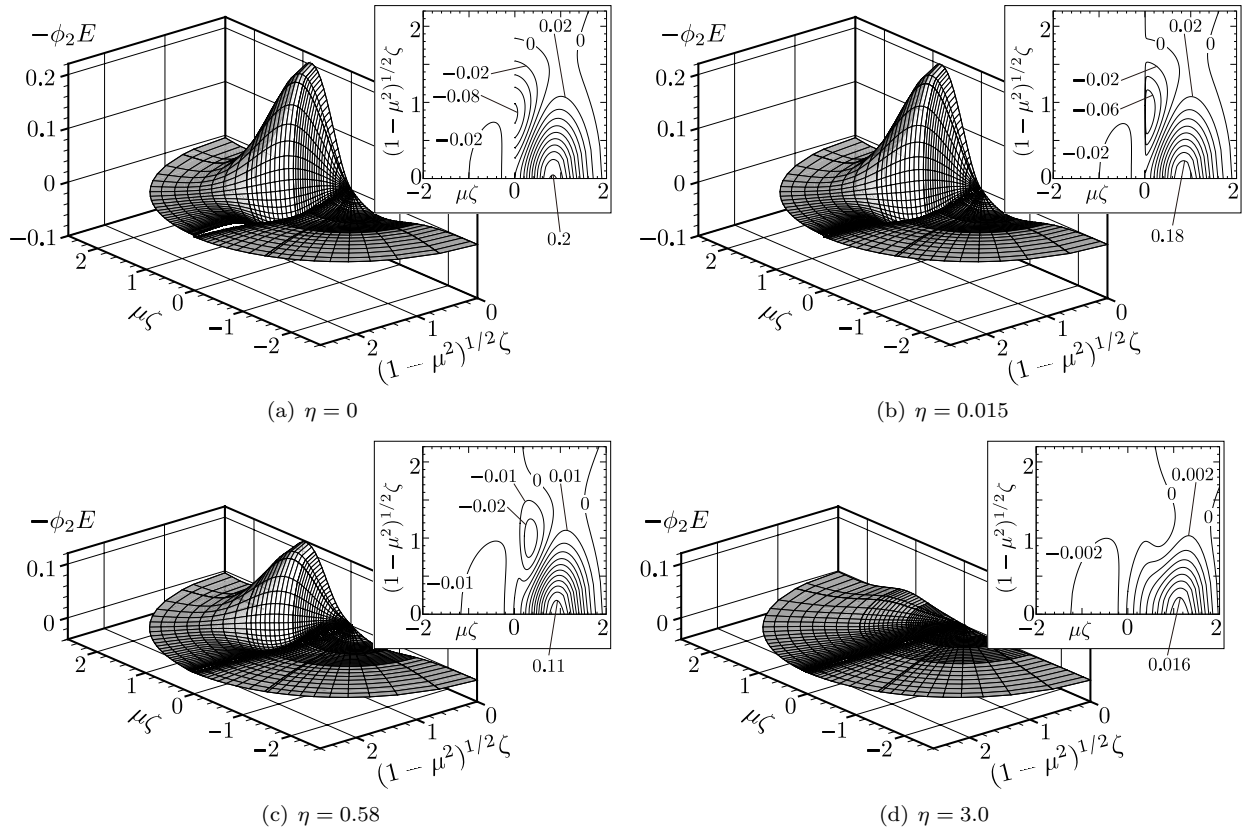
Figure 18: $\phi_2 E$ for the ES model (Pr = 2/3) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.02 in (a) and (b), 0.01 in (c), and 0.002 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
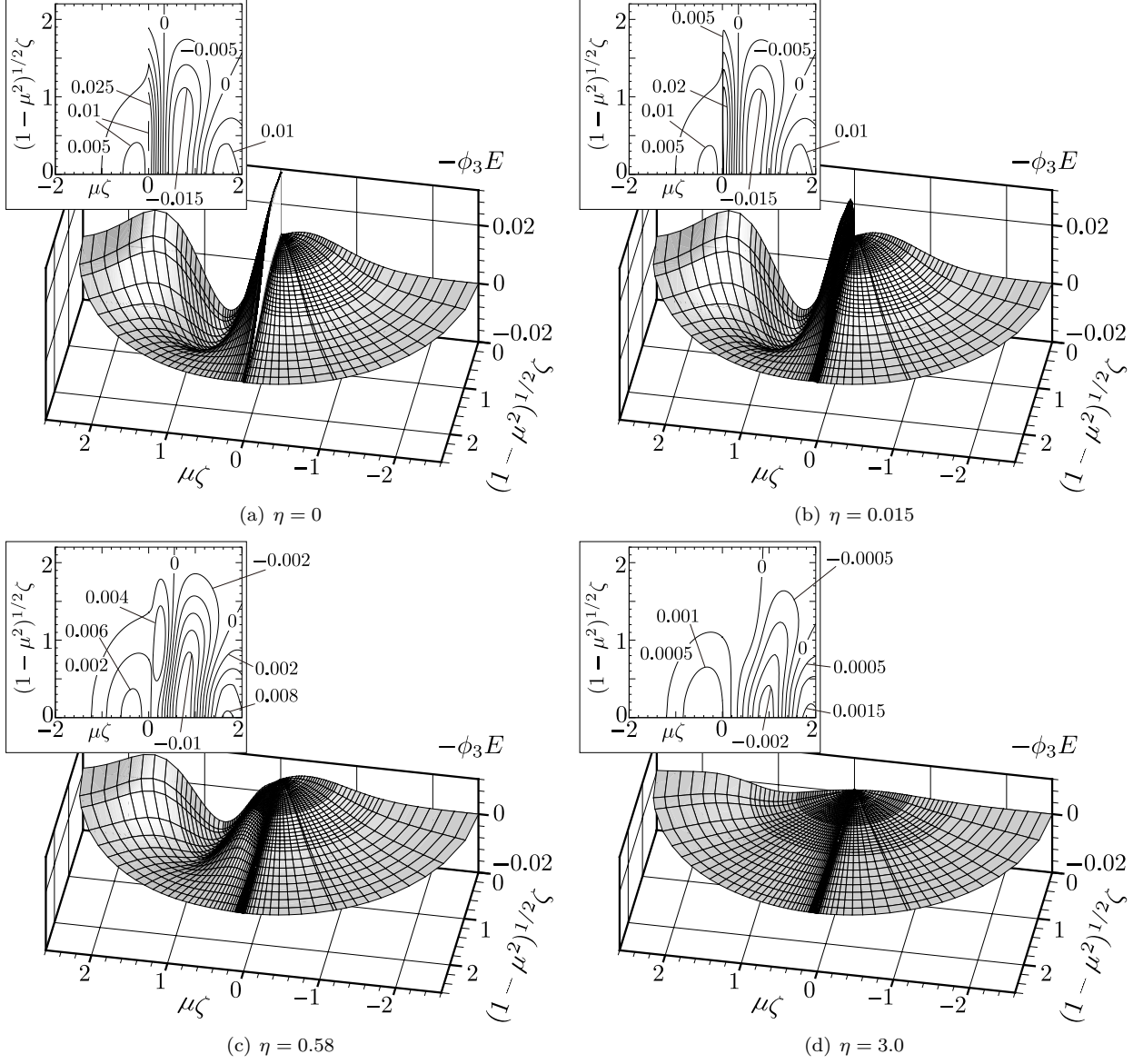
Figure 19: $\phi_3 E$ for the ES model (Pr = 2/3) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.005 in (a) and (b), 0.002 in (c), and 0.0005 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
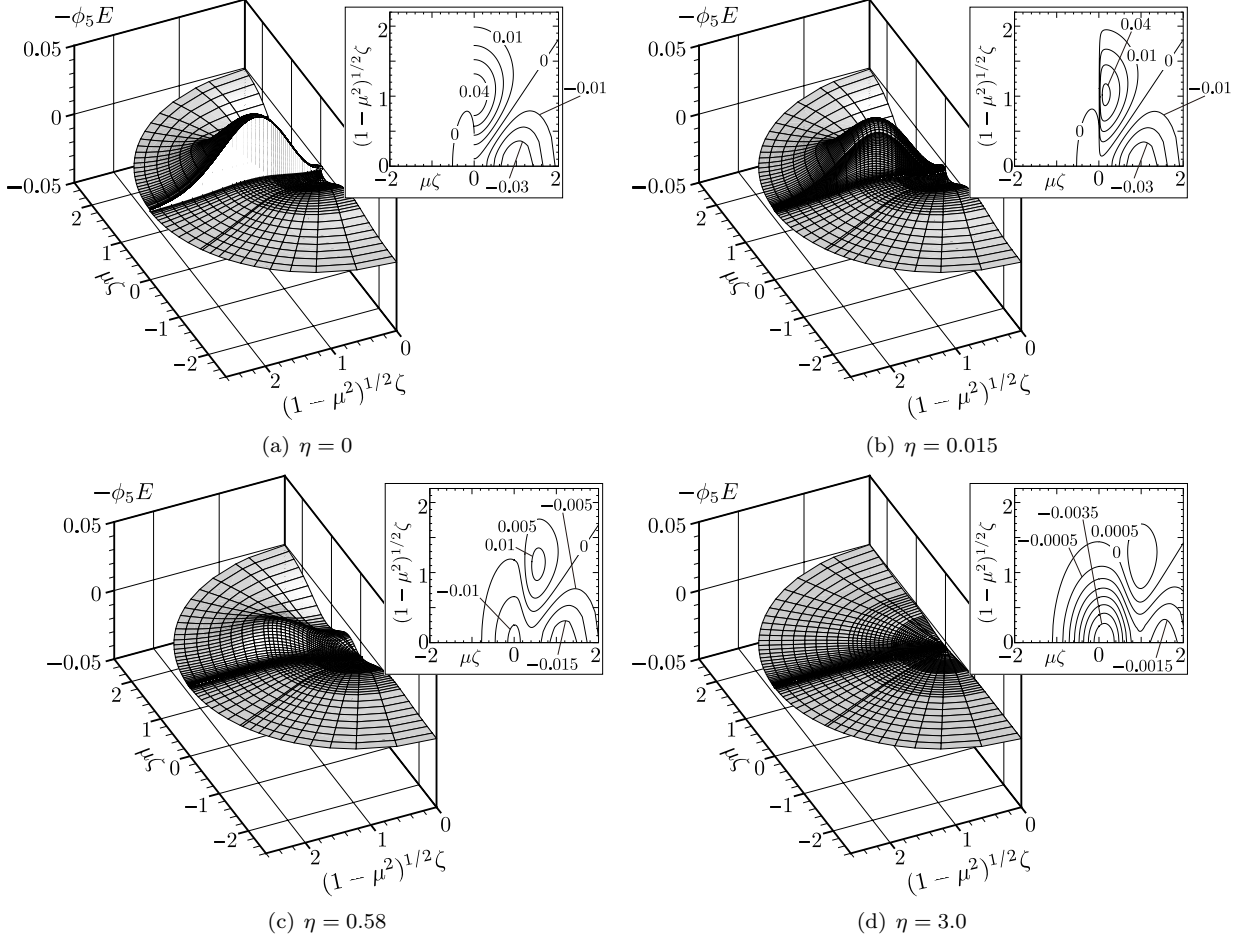
Figure 20: $\phi_5 E$ for the ES model (Pr $= 2/3$) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.01 in (a) and (b), 0.005 in (c), and 0.0005 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
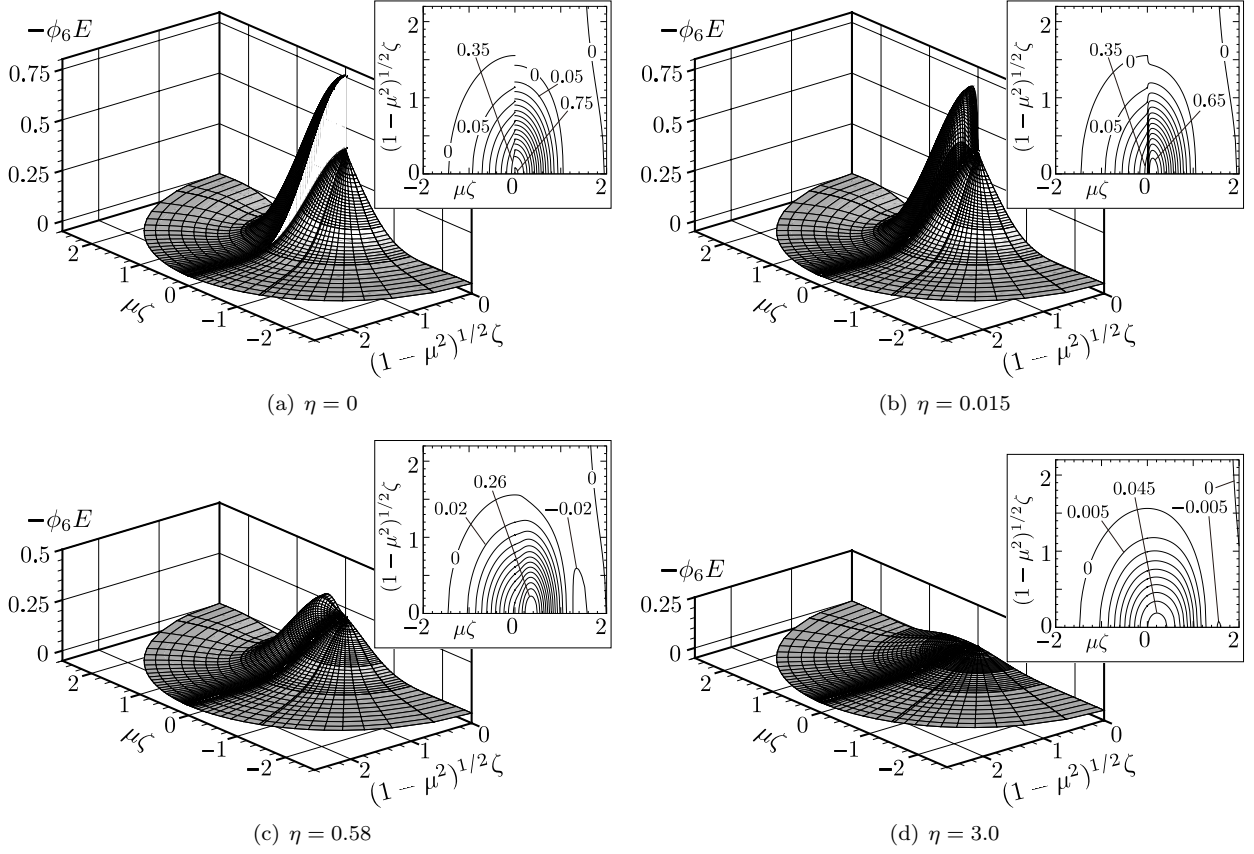
Figure 21: $\phi_6 E$ for the ES model ($\mathrm{Pr} = 2/3$) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.05 in (a) and (b), 0.02 in (c), and 0.005 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
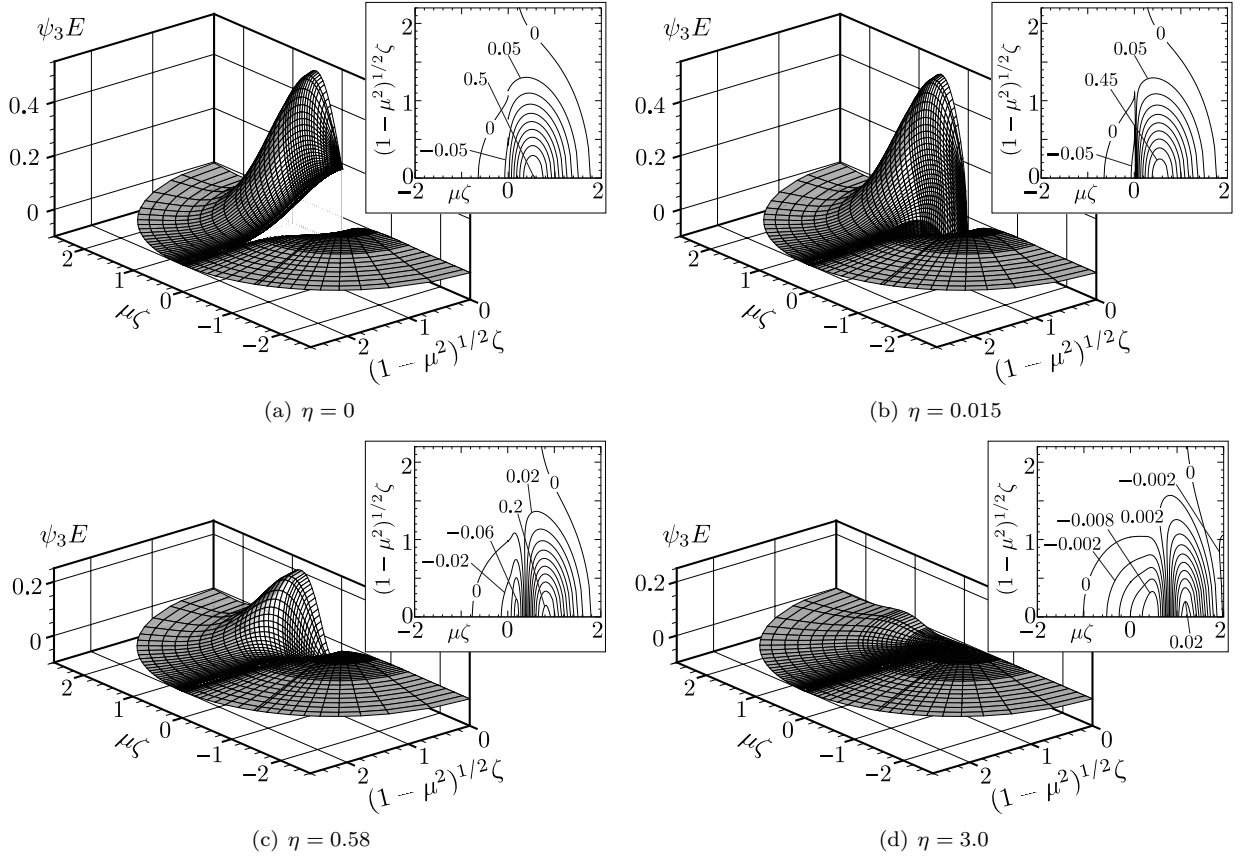
Figure 22: $\psi_3 E$ for the ES model (Pr = 2/3) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.05 in (a) and (b), 0.02 in (c), and 0.002 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
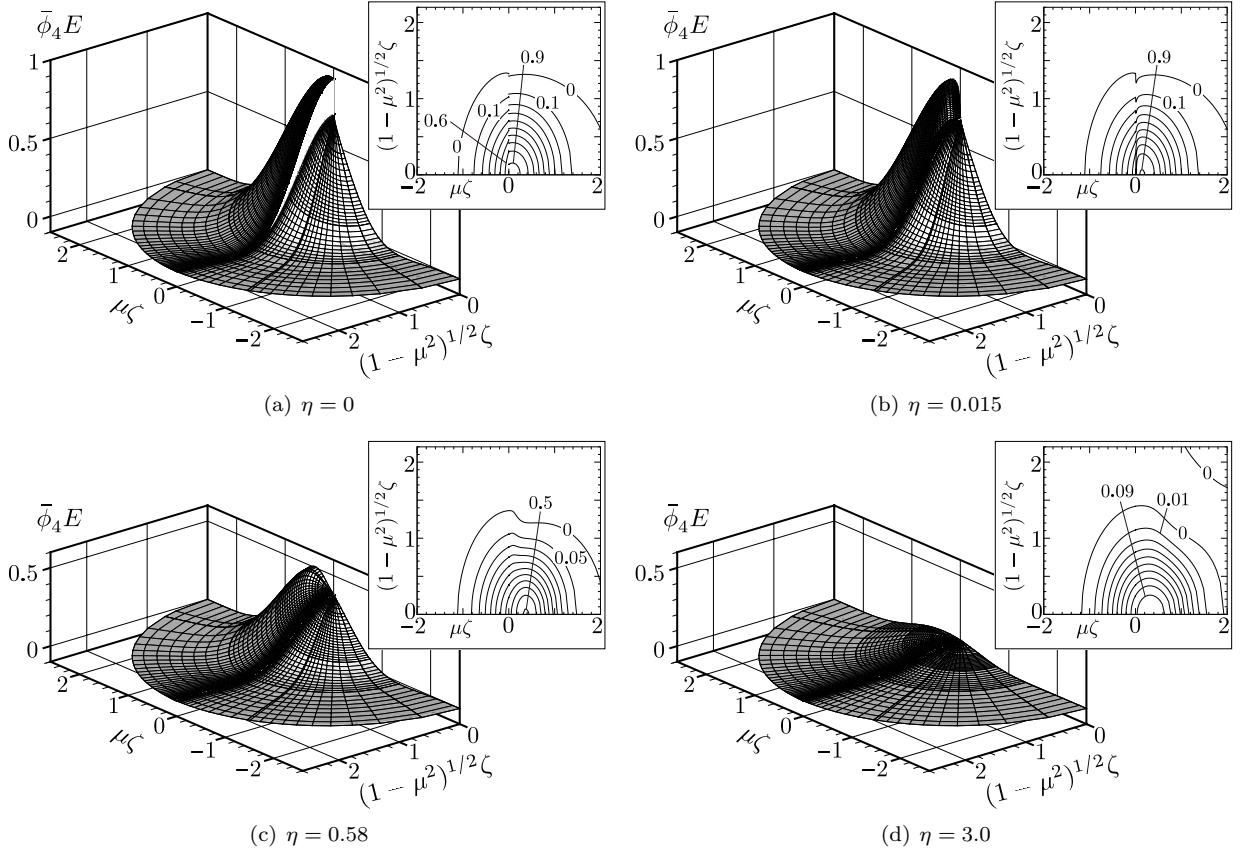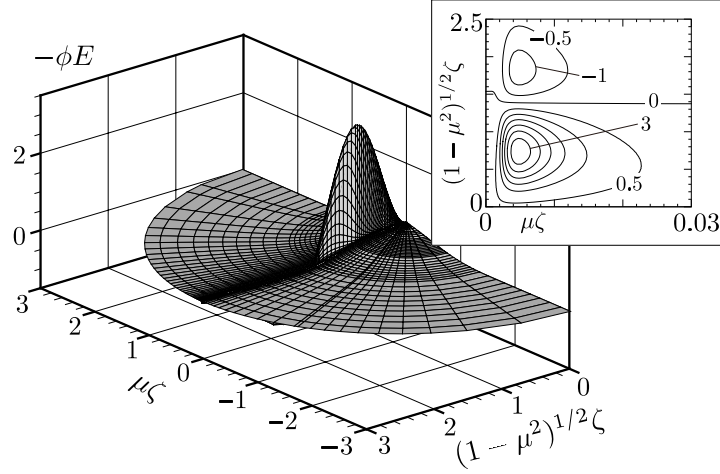
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Figure 23: $\bar{\phi}_4 E$ for the ES model (Pr = 2/3) under the diffuse reflection condition and its contour plots at four spatial points. (a) $\eta = 0$, (b) $\eta = 0.015$, (c) $\eta = 0.58$, and (d) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.1 in (a) and (b), 0.05 in (c), and 0.01 in (d). The white vertical surface at $\mu\zeta = 0$ in (a) shows the discontinuity.
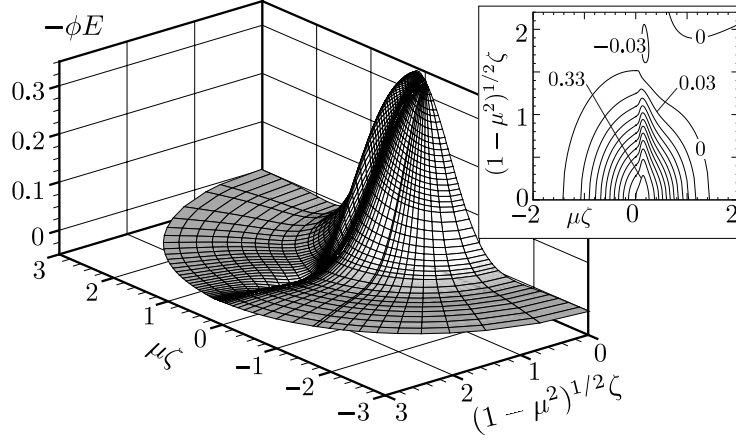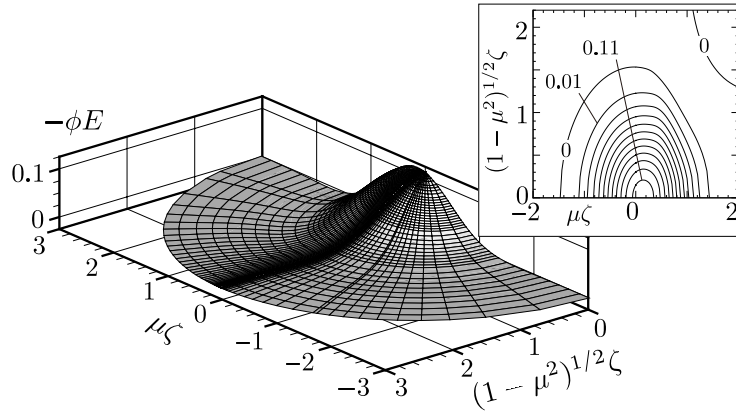
(a) $\eta = 0.015$

(b) $\eta = 0.58$

(c) $\eta = 3.0$

Figure 24: ϕE for the ES model ($\mathrm{Pr} = 2/3$) under the diffuse reflection condition and its contour plots at three spatial points. (a) $\eta = 0.015$, (b) $\eta = 0.58$, and (c) $\eta = 3.0$. In the contour plots, the curves are drawn with the intervals 0.5 in (a), 0.03 in (b), and 0.01 in (c).