MCP07 kernel, bulk jellium $r_s = 4$

Left panel: $k_F^2 \operatorname{Re}[f_{xc}(q, \omega)]$ versus q/k_F

Right panel: $k_F^2 \operatorname{Im}[f_{xc}(q, \omega)]$ versus q/k_F

Legend:
- $\omega = 0$
- $\omega = \omega_p(0)$
- $\omega \rightarrow \infty$