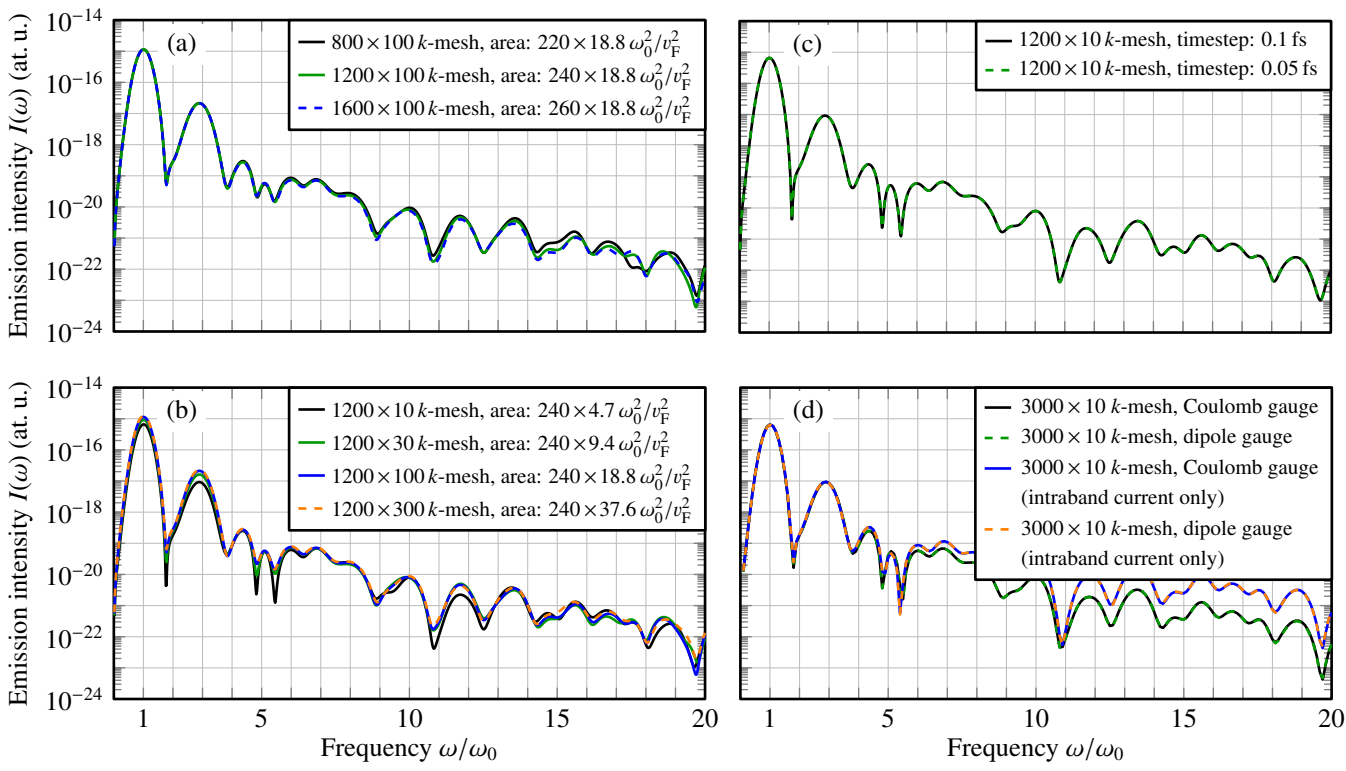
(a)
800 × 100 k-mesh, area: 220 × 18.8 ω0²/vF²
1200 × 100 k-mesh, area: 240 × 18.8 ω0²/vF²
1600 × 100 k-mesh, area: 260 × 18.8 ω0²/vF²
(b)
1200 × 10 k-mesh, area: 240 × 4.7 ω0²/vF²
1200 × 30 k-mesh, area: 240 × 9.4 ω0²/vF²
1200 × 100 k-mesh, area: 240 × 18.8 ω0²/vF²
1200 × 300 k-mesh, area: 240 × 37.6 ω0²/vF²
(c)
1200 × 10 k-mesh, timestep: 0.1 fs
1200 × 10 k-mesh, timestep: 0.05 fs
(d)
3000 × 10 k-mesh, Coulomb gauge
3000 × 10 k-mesh, dipole gauge
3000 × 10 k-mesh, Coulomb gauge (intraband current only)
3000 × 10 k-mesh, dipole gauge (intraband current only)
Emission intensity I(ω) (at. u.)
Frequency ω/ω0
10^-14
10^-16
10^-18
10^-20
10^-22
10^-24
1
5
10
15
20