

Methods and Approximations

Research Objects

Results

Dipole approximation
Single and equal excitations
Iterative algorithm

One/Two-dipole system

Off/on-resonance spectra
Peak shifts
Cross effects

1D cases
Identical dipoles

Analytical expression
Pump rates of ME models

Discrete-dipole system

Repulsion effect
Critical coupling strength

Dense-dipole system

Pump effect
Repulsion effect
Cavity-dipoles coupling

