

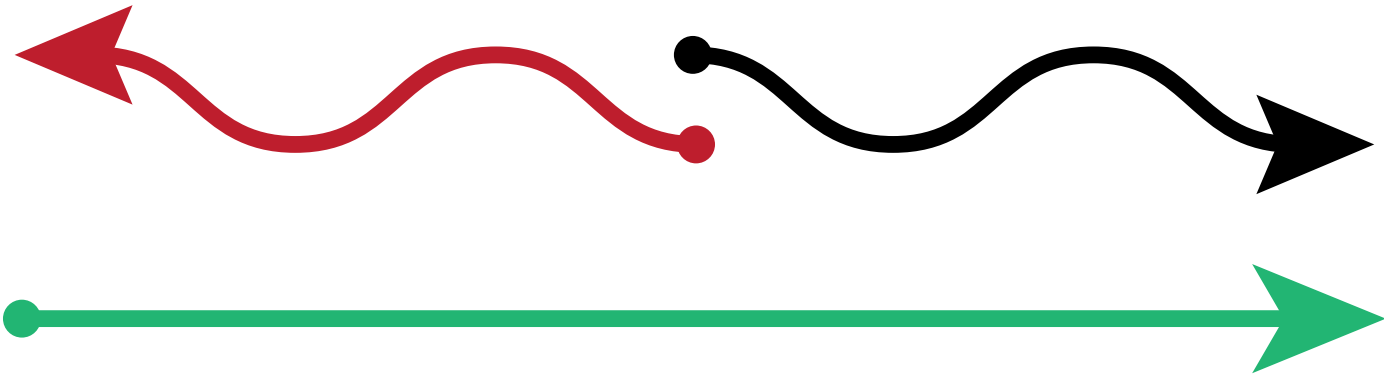
Momentum conservation (phase-matching)

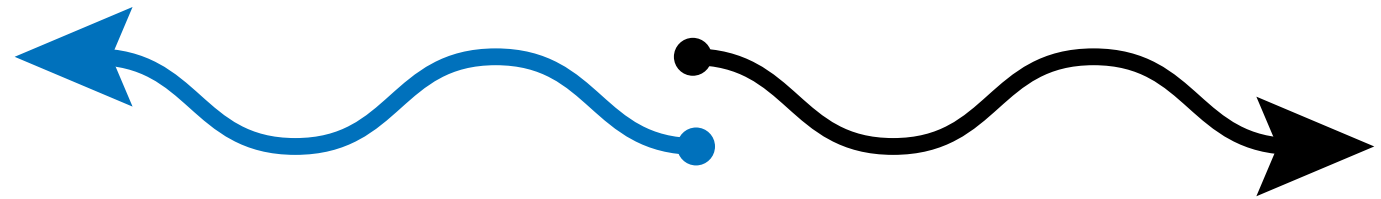
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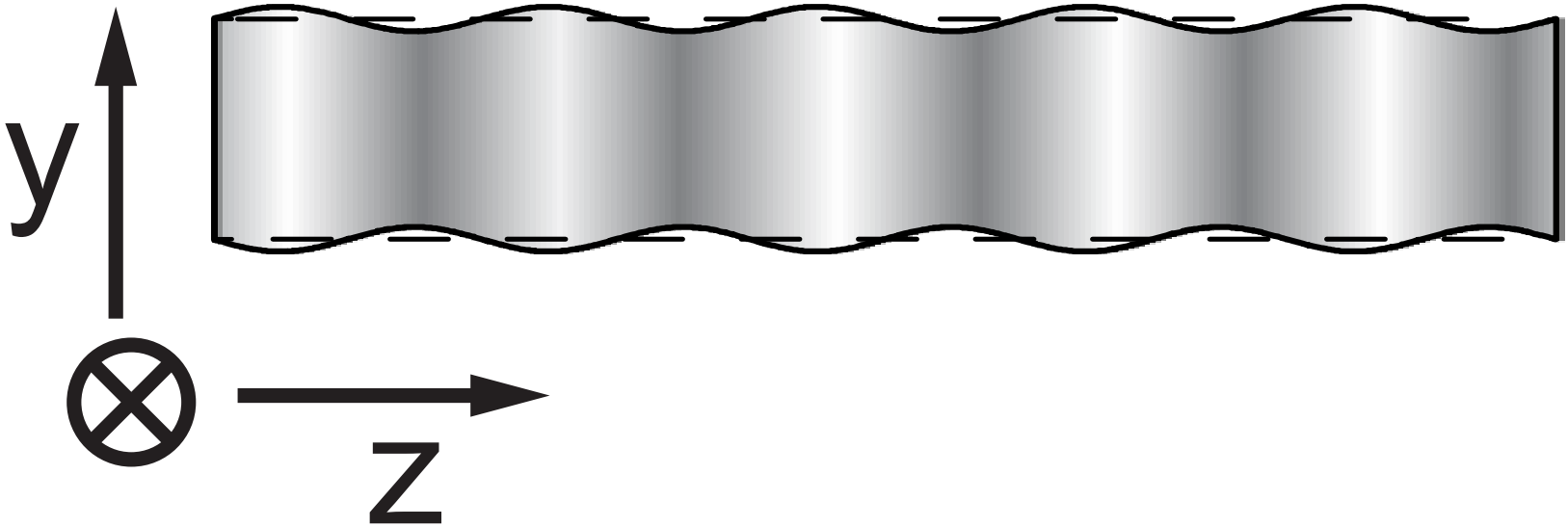
3

Wombat 2022, Erlangen, June 14th 2022. Gustav Wiederhake.





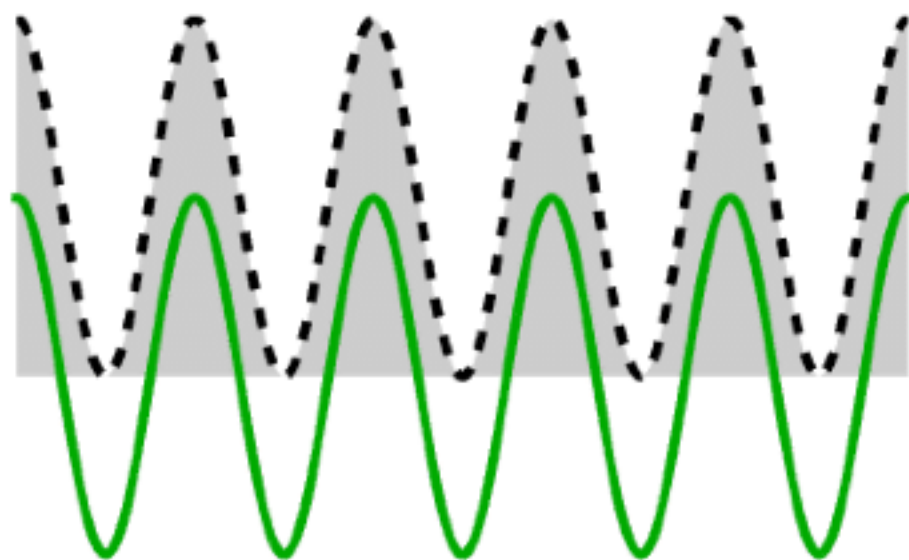
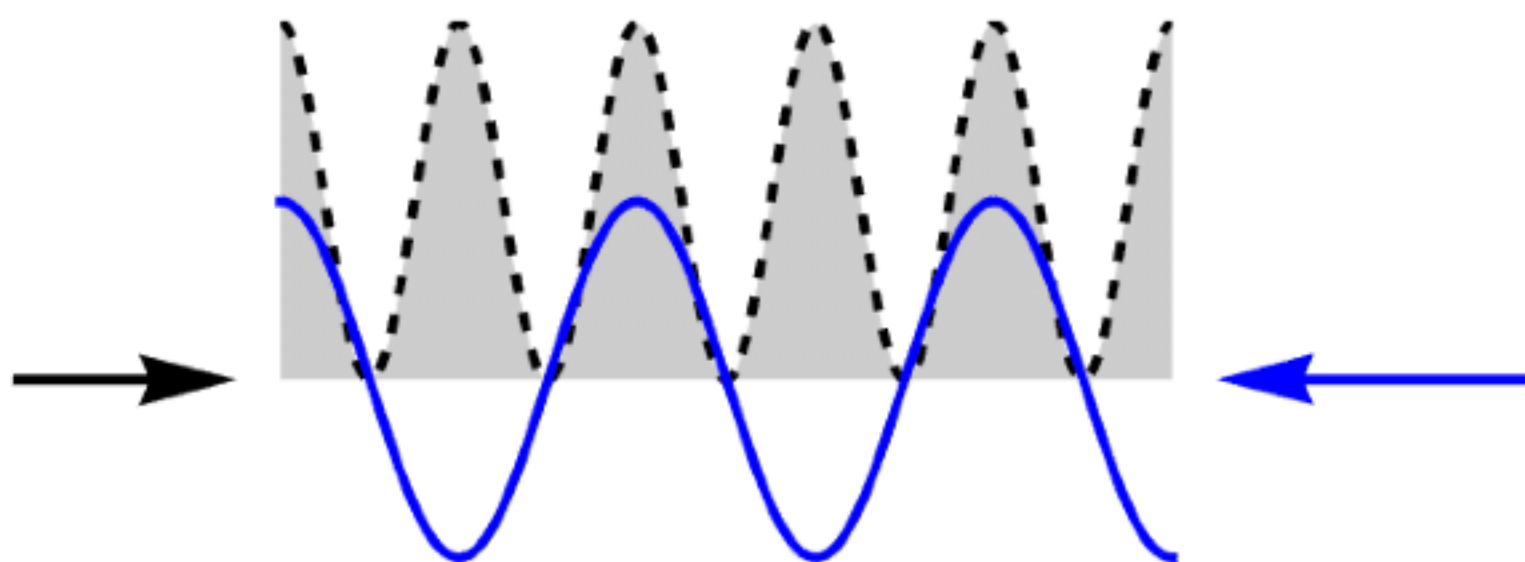
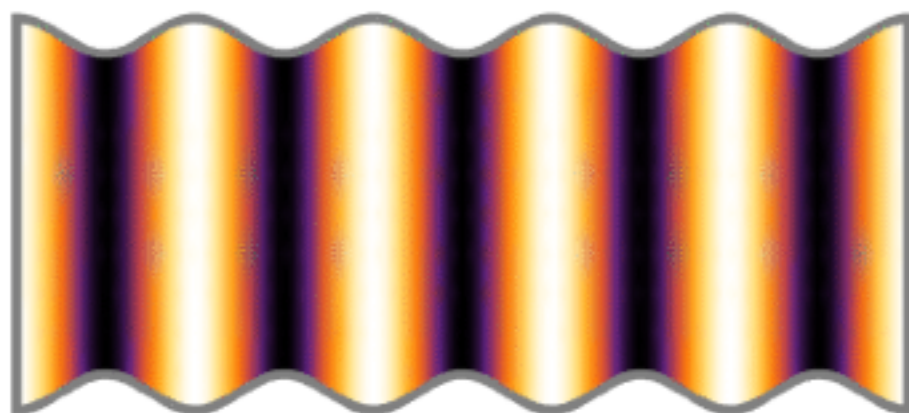


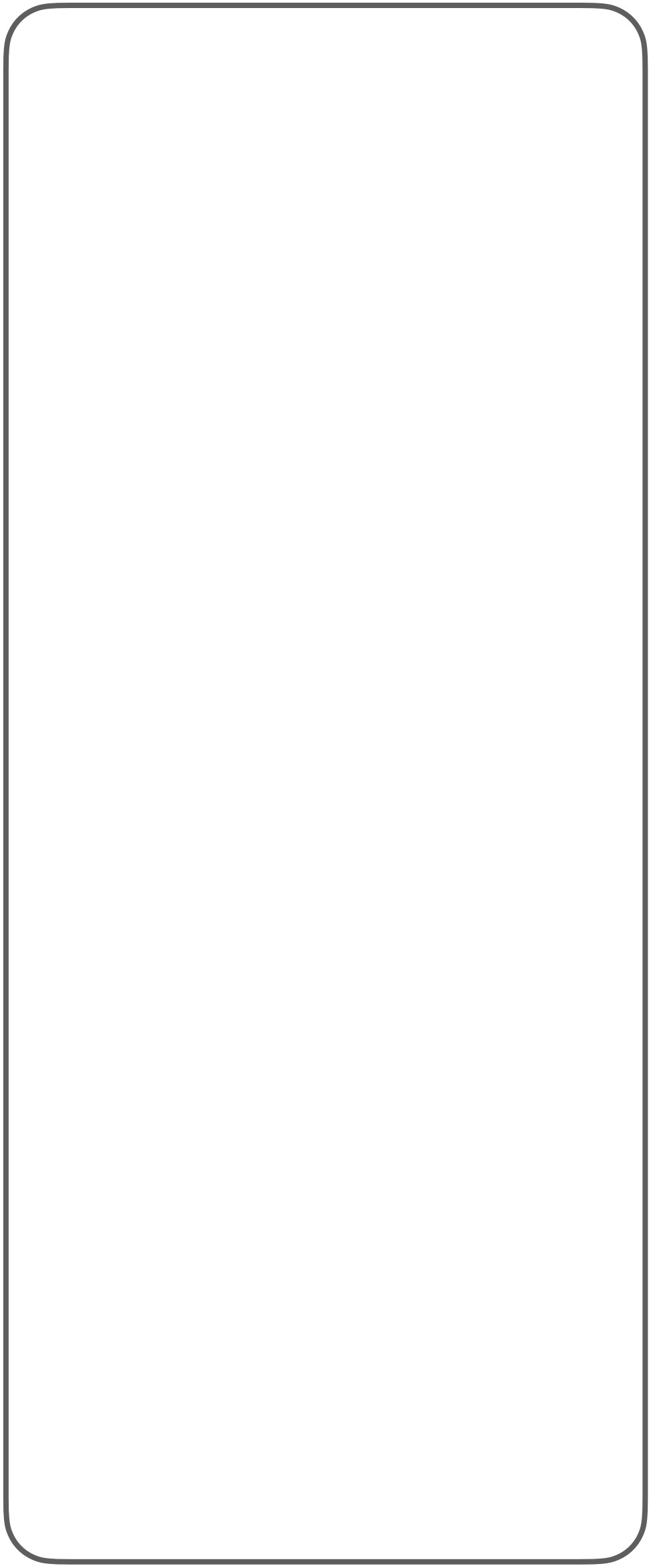






Backward Scattering





Anti-
Stokes

Runnp

Acoustic

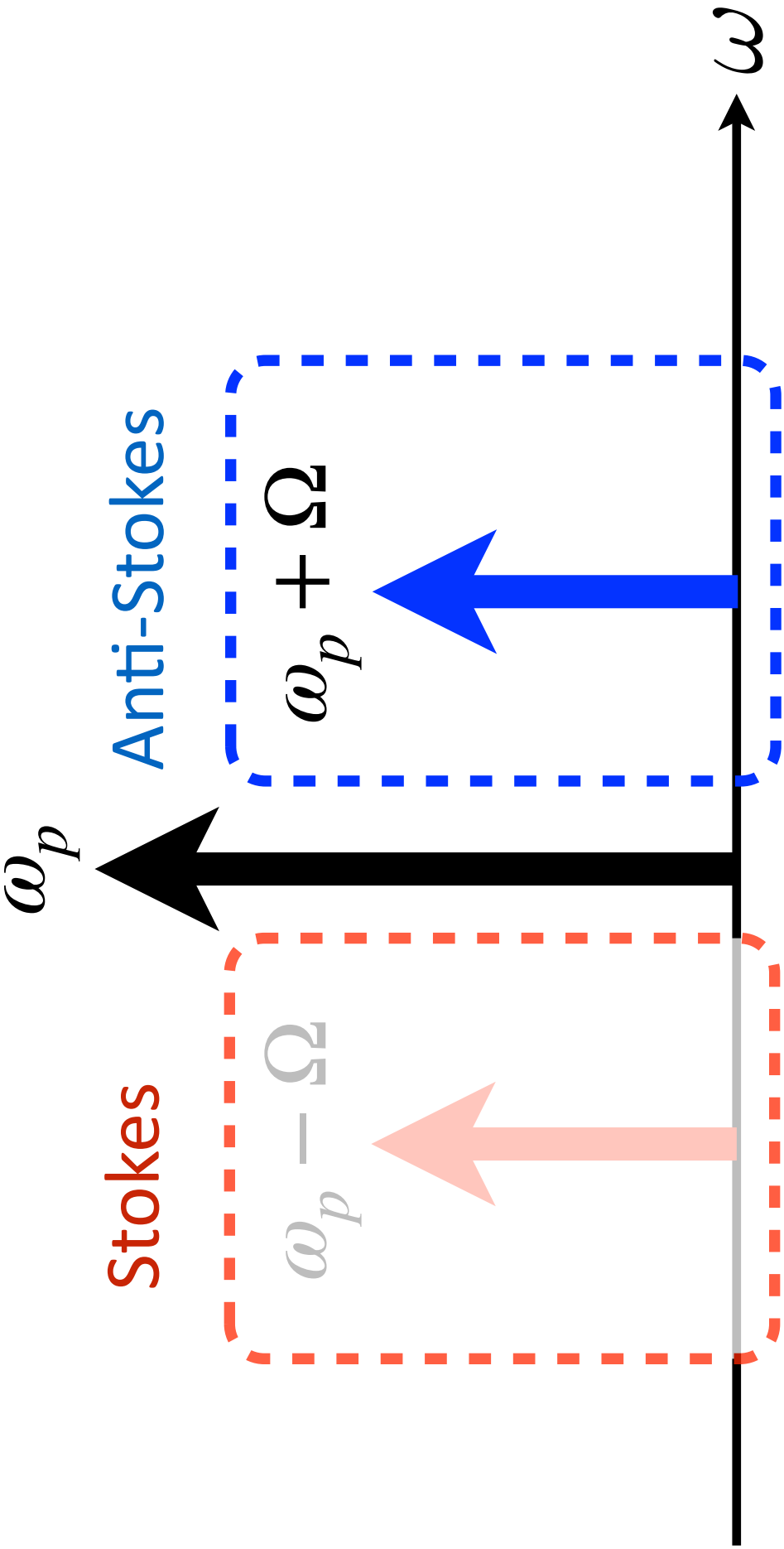


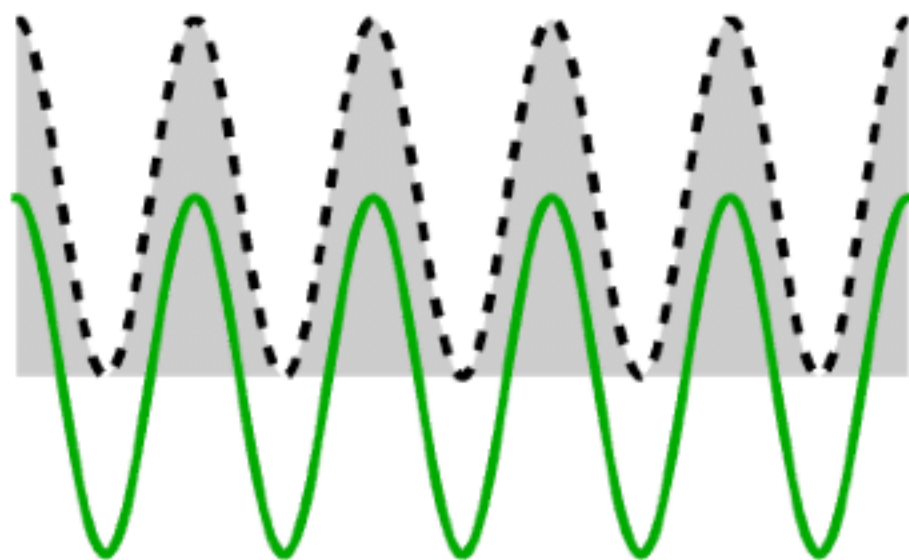
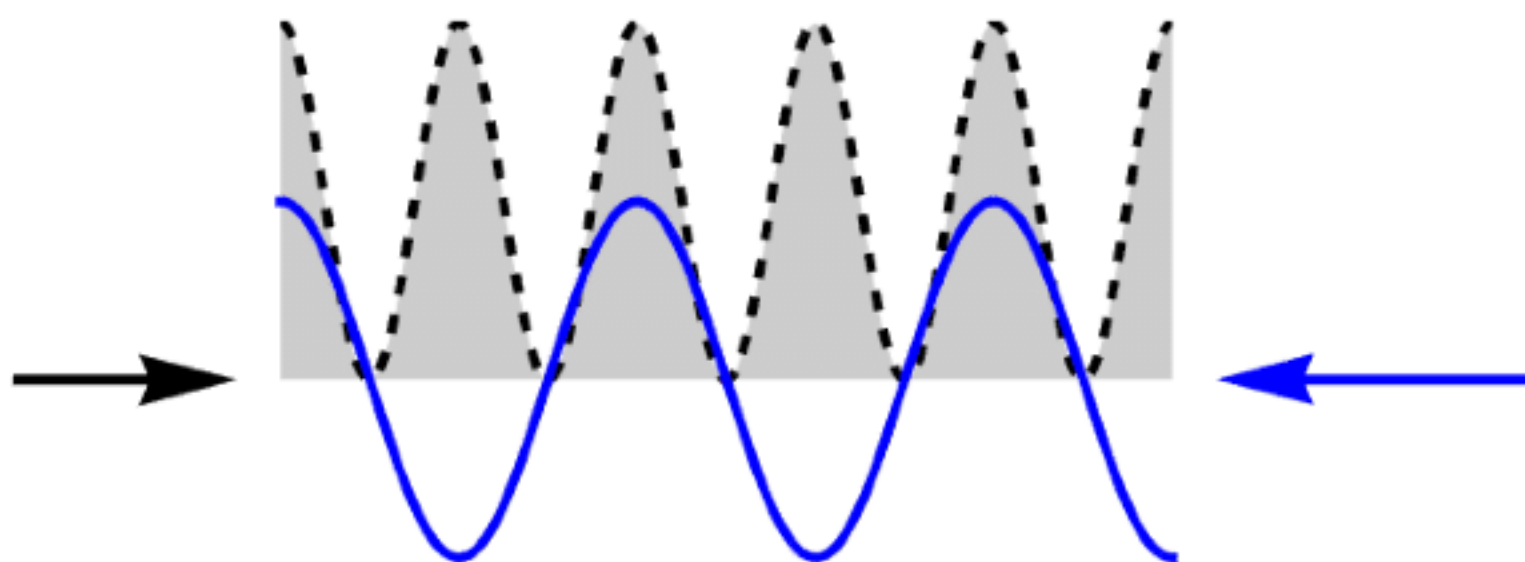
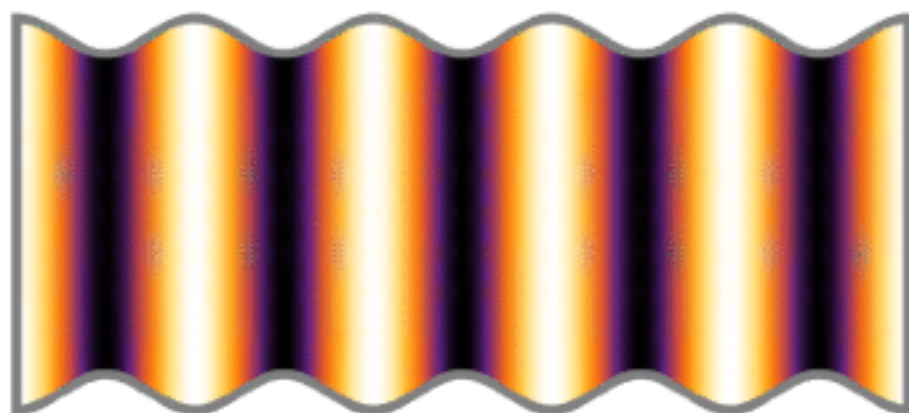
optical intensity

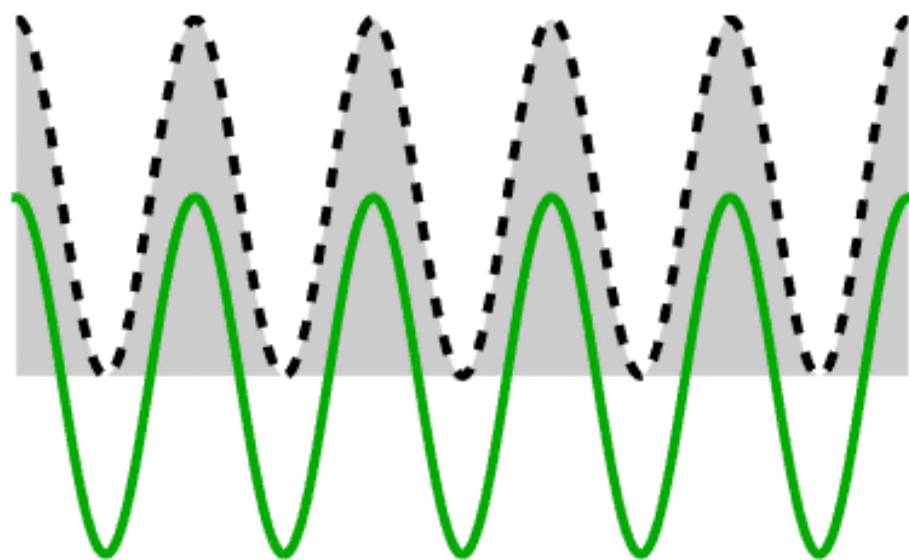
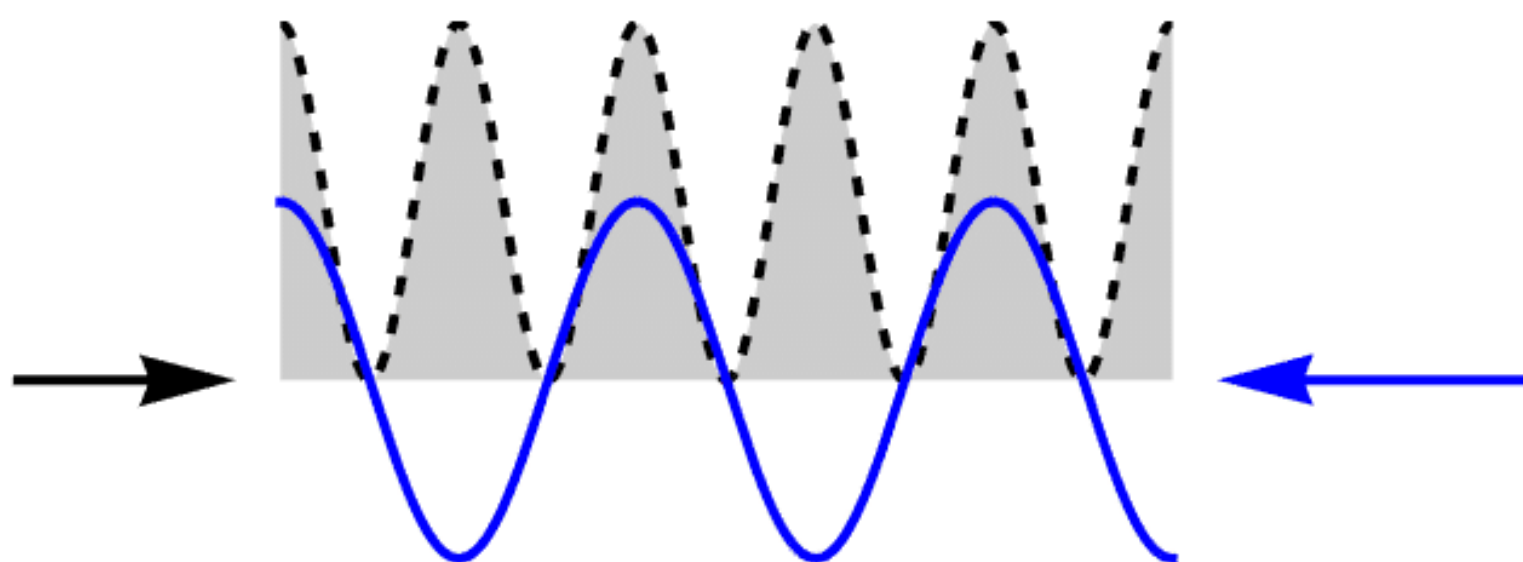
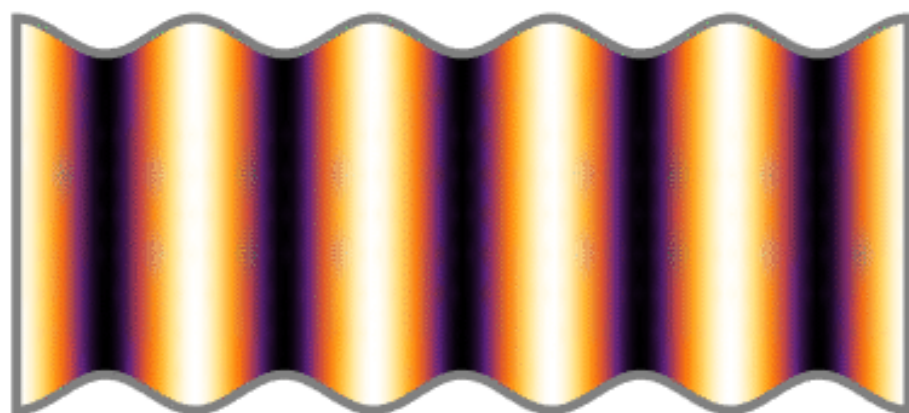


0 0.2 0.4 0.6 0.8 1.0

— — — — Optical intensity





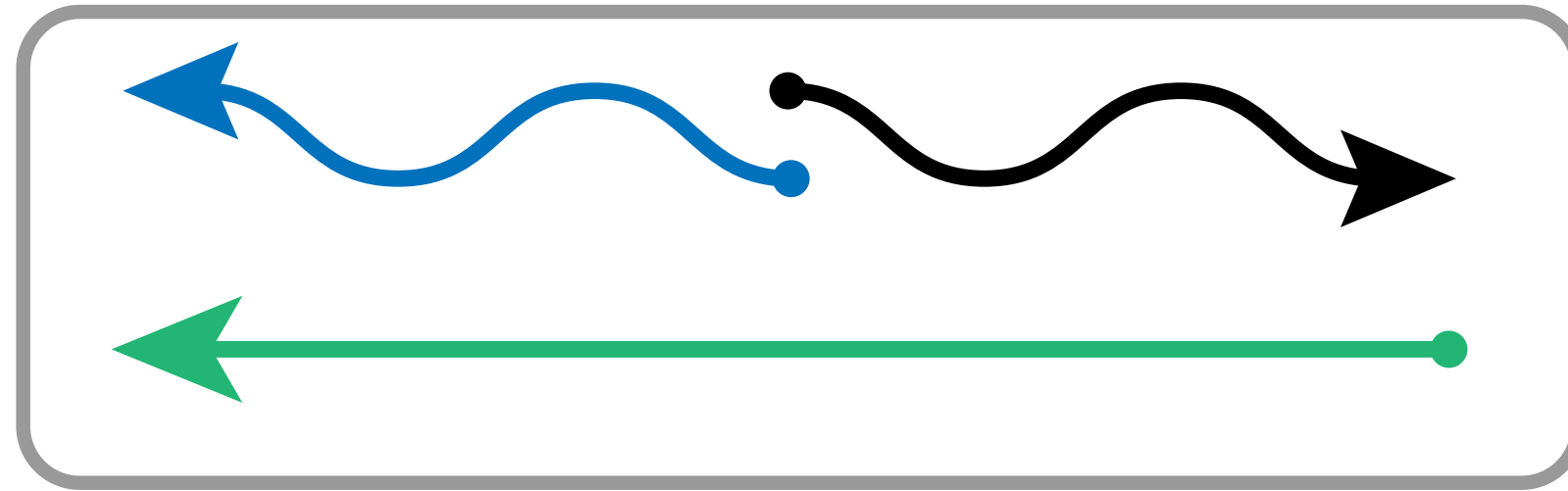




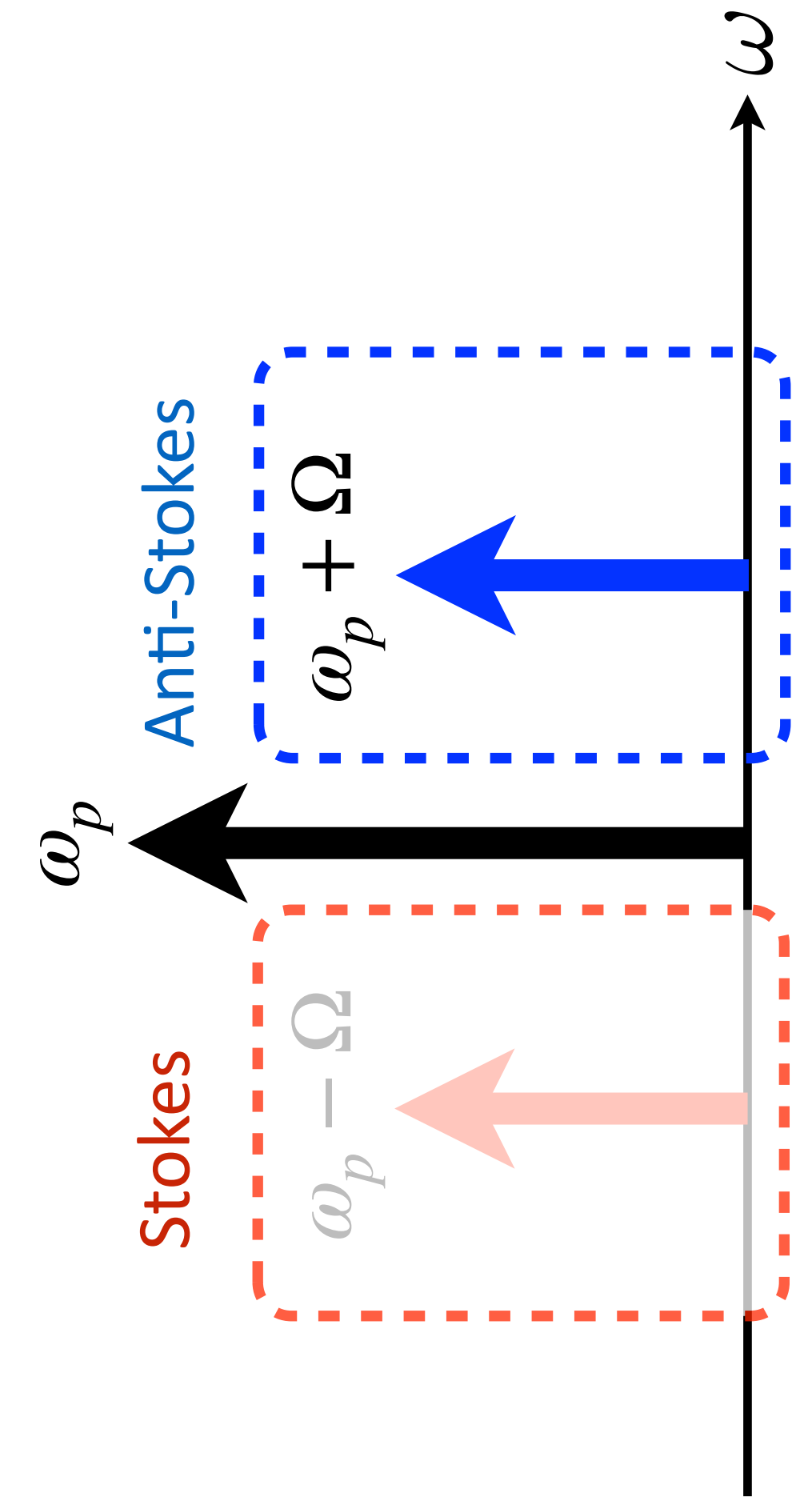
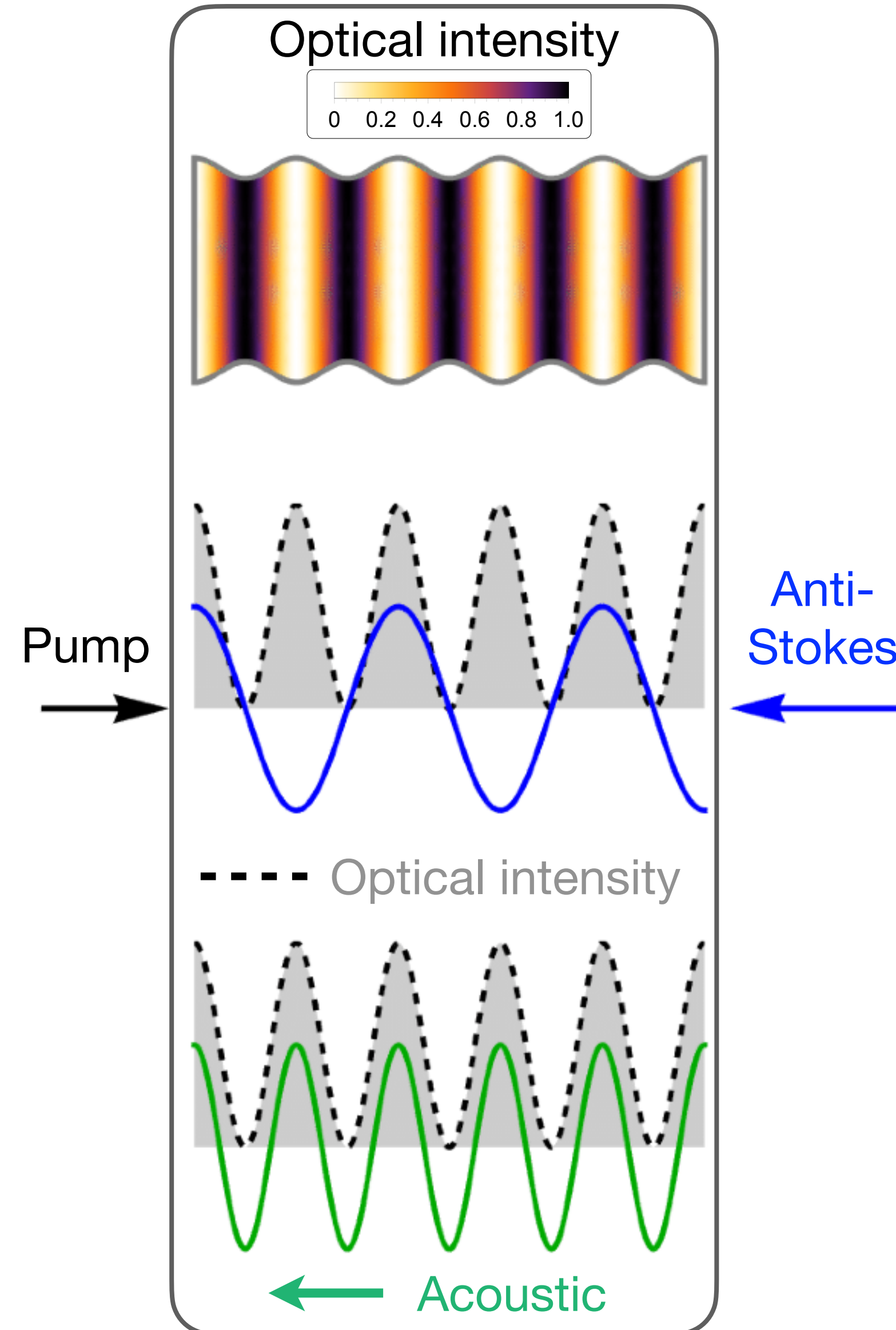
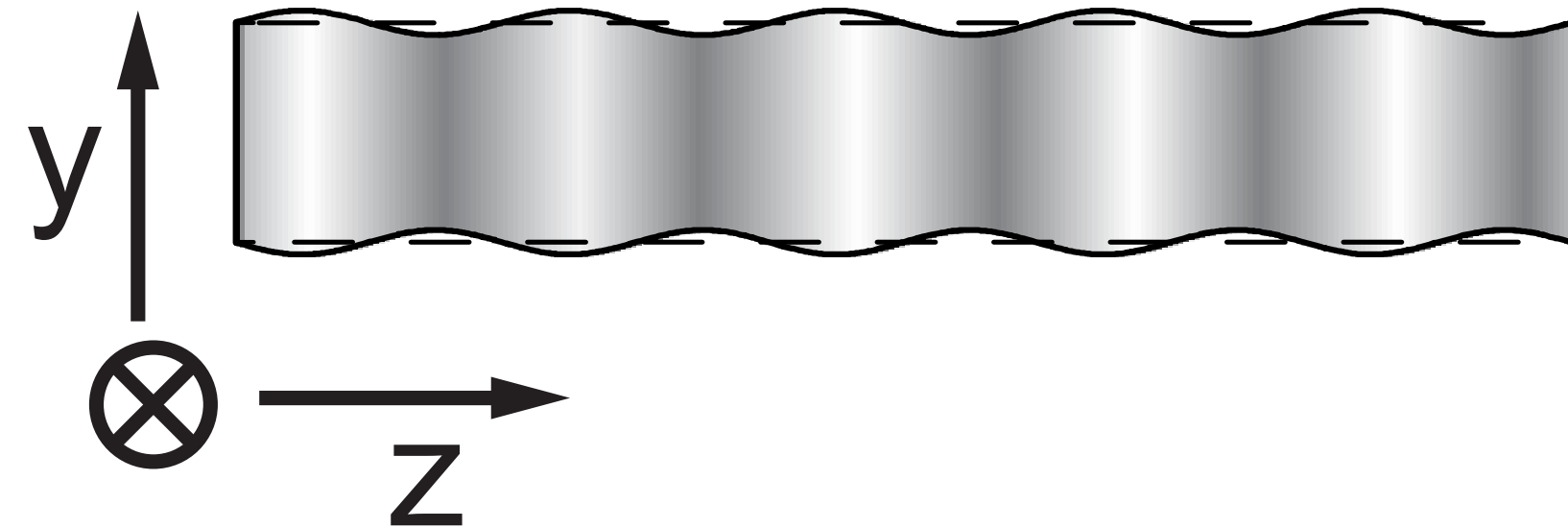
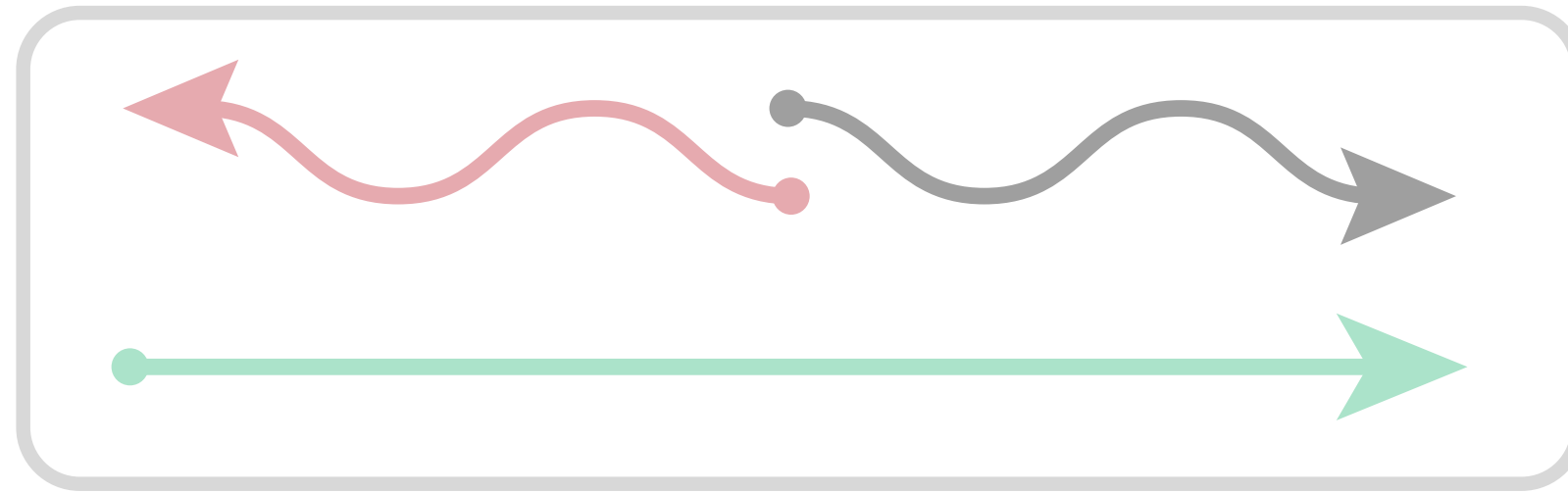
Momentum conservation (phase-matching)

Backward Scattering

Anti-Stokes

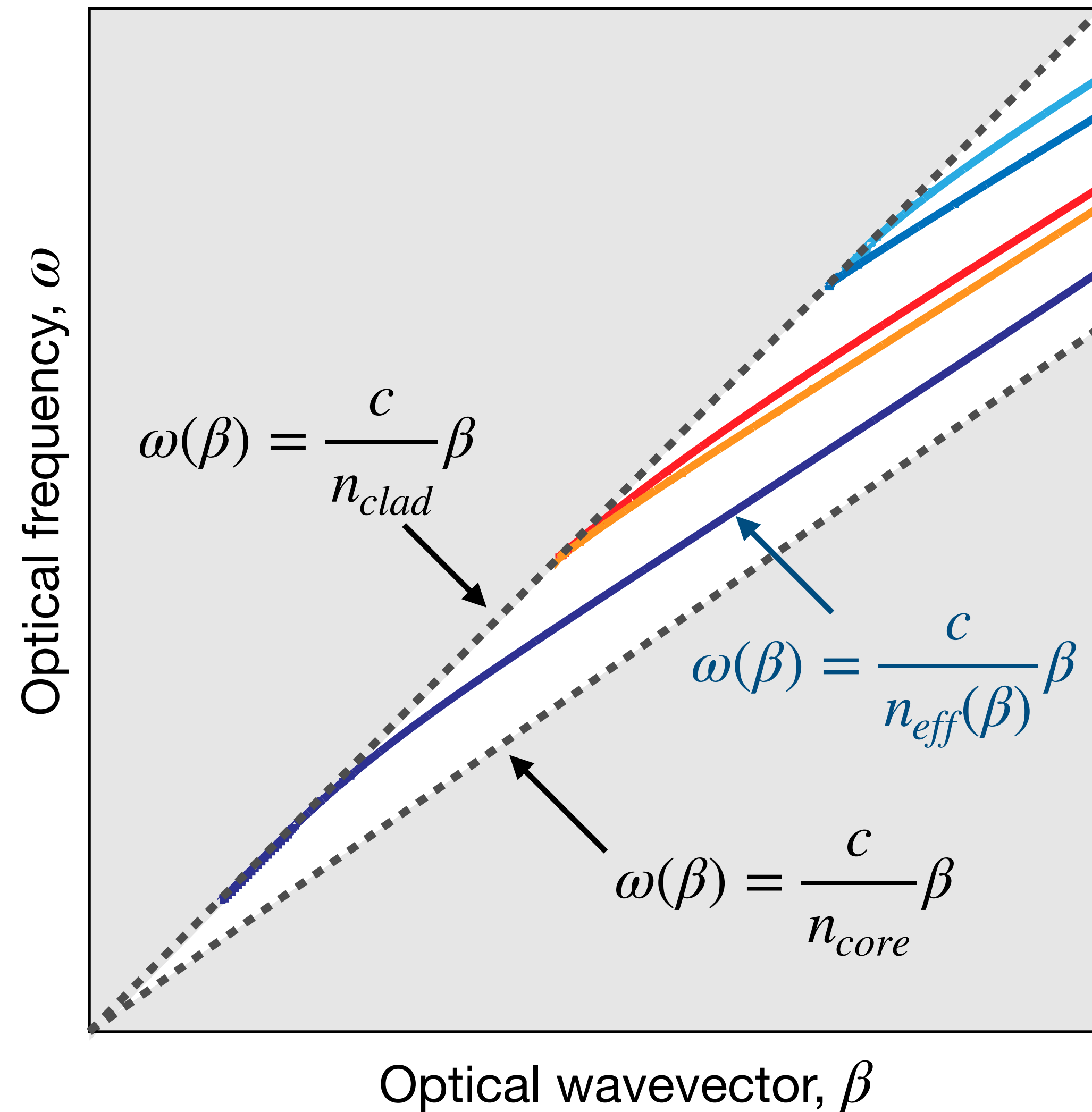


Stokes

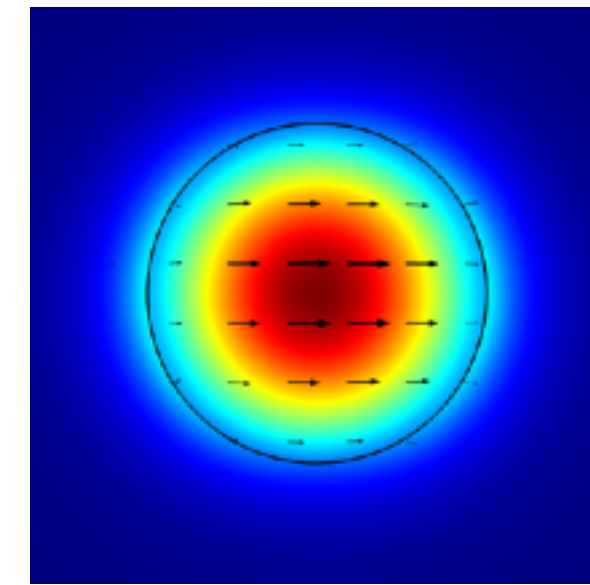




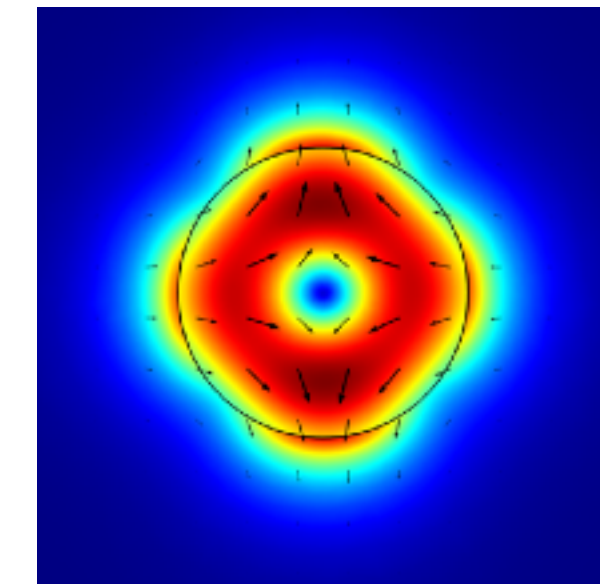
Phase-matching possibilities



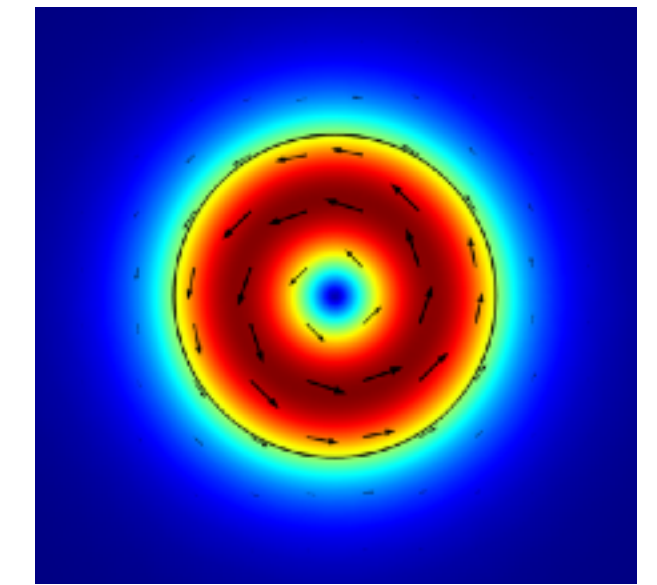
Representative lowest order modes of a cylindrical dielectric waveguide



HE11x



HE12



TE01