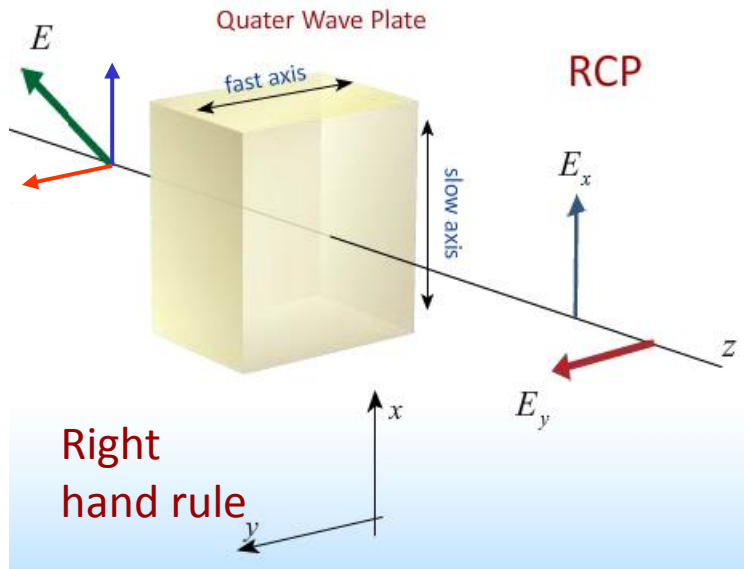
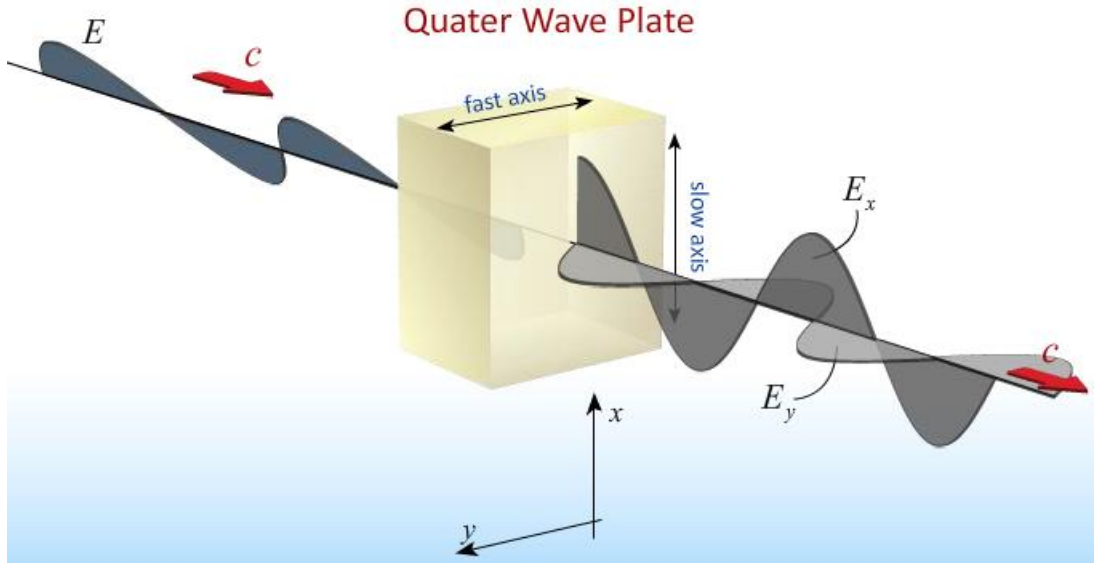


Quarter Waveplates

Q: How do we change the relative phase between E_x and E_y ?

A: Birefringence



By picking the right thickness we can change the relative phase by exactly 90° .

This changes linear to circular polarization and is called a *quarter wave plate*