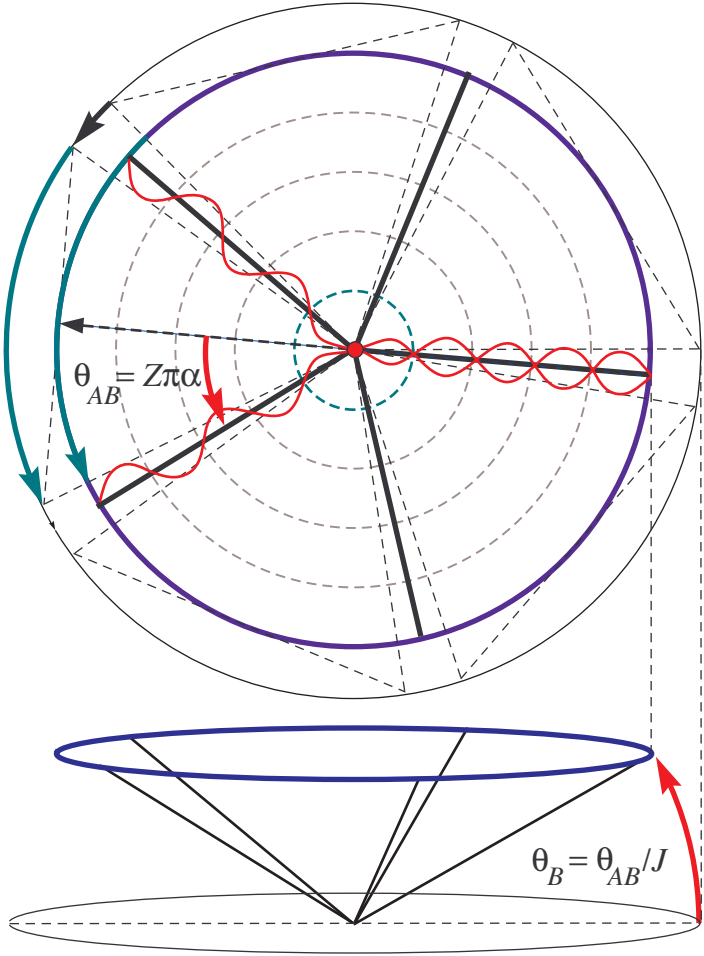
$\theta_{AB} = Z\pi\alpha$
$\theta_B = \theta_{AB}/J$