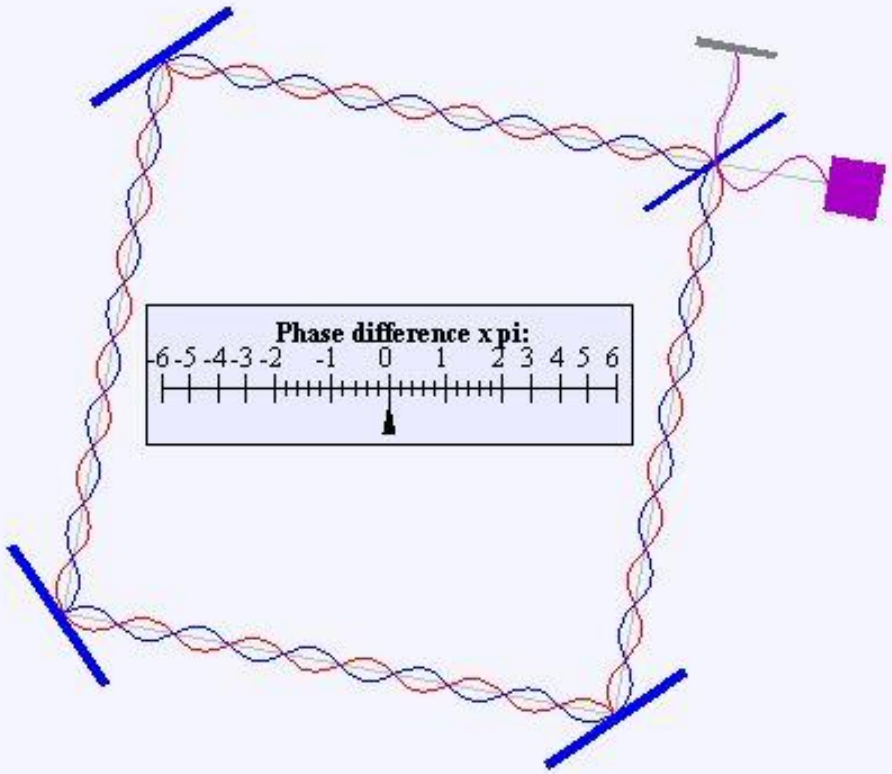
Theory: Ritz Emission Theory | Resume | Reset | Angular velocity: 0.008 rad/sec | Show :

"Path" is the trajectory of the front of the ray from half silvered mirror back to same.

All data below but number of wavelengths are relative to the same data when the interferometer is not rotating.



Anti-clockwise going ray:
- speed of light = 1.0200
- frequency = 1.0200
- wavelength = 1.0000
- number of wavelengths = 20.0000
- pathlength = 1.0200
- transit time = 1.0000

Clockwise going ray:
- speed of light = 0.9800
- frequency = 0.9800
- wavelength = 1.0000
- number of wavelengths = 20.0000
- pathlength = 0.9800
- transit time = 1.0000

Dif. number of wavelengths = 0.0000
Difference in transit times = 0.0000
Phase difference = 0 degrees