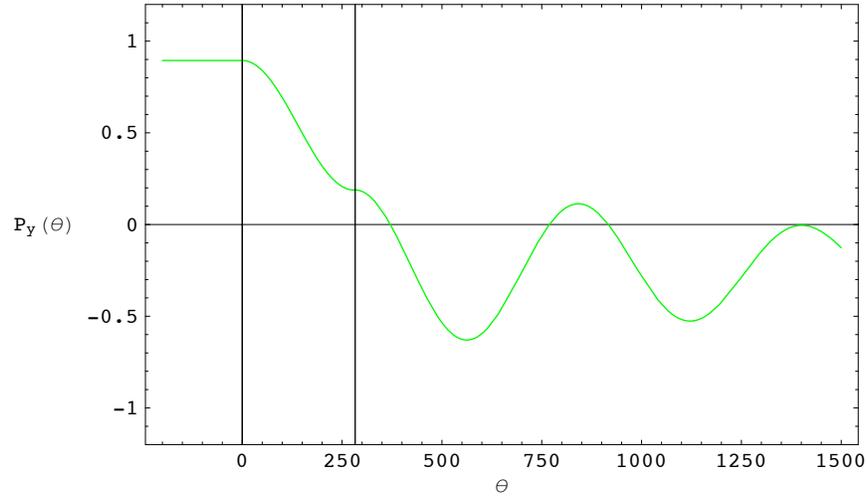


Case 3: Constructive interference case



$\theta = 2\pi \times \text{turn number}$ .

Spin tune nominal = 4.6.

Spin tune jumps at  $\theta = 0$  from 0.59 to 0.61, and jumps at  $\theta = 2\pi \times 45$  from 0.61 to 0.59. Two vertical lines are the two jumps.

Resonance strength  $|\epsilon| = 0.005$ .

Green is polarization of a beam with Gaussian energy distribution with  $\sigma_E/E = 0.0002$ .