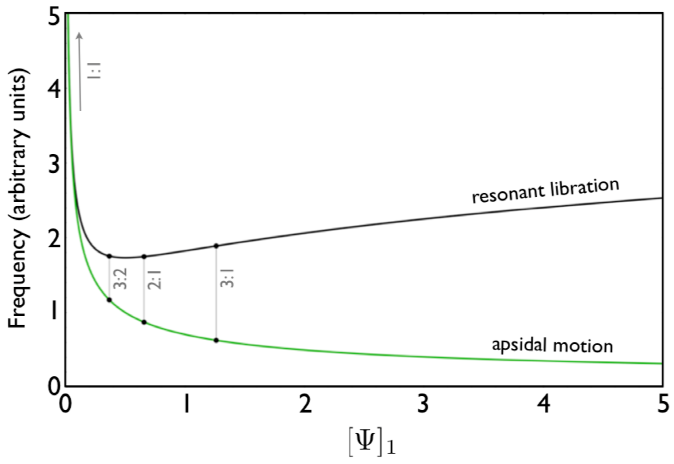
Frequency (arbitrary units)
0
1
2
3
4
5
1:1
3:2
2:1
3:1
resonant libration
apsidal motion
$[\Psi]_1$