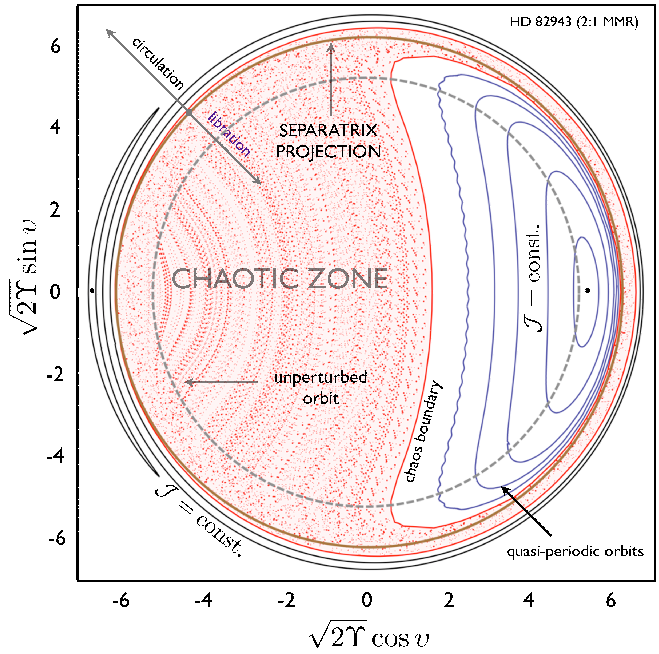
HD 82943 (2:1 MMR)
circulation
libration
SEPARATRIX
PROJECTION
CHAOTIC ZONE
unperturbed
orbit
chaos boundary
$\mathcal{J}$ = const.
$\mathcal{J}$ = const.
quasi-periodic orbits
$\sqrt{2\Upsilon}\sin v$
$\sqrt{2\Upsilon}\cos v$
6
4
2
0
-2
-4
-6
-6
-4
-2
0
2
4
6