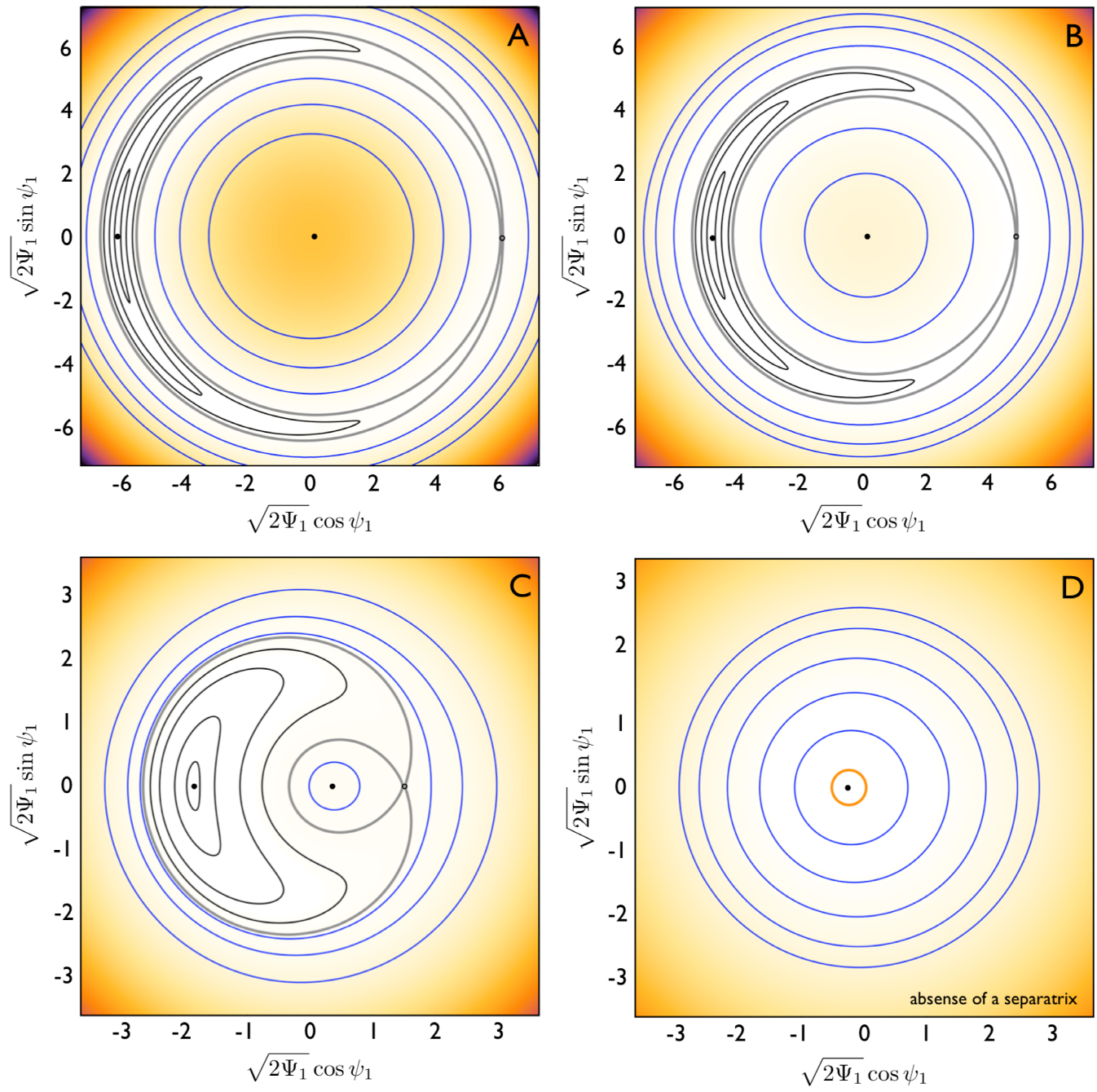
A
B
C
D
absense of a separatrix
$\sqrt{2\Psi_1}\cos\psi_1$
$\sqrt{2\Psi_1}\sin\psi_1$