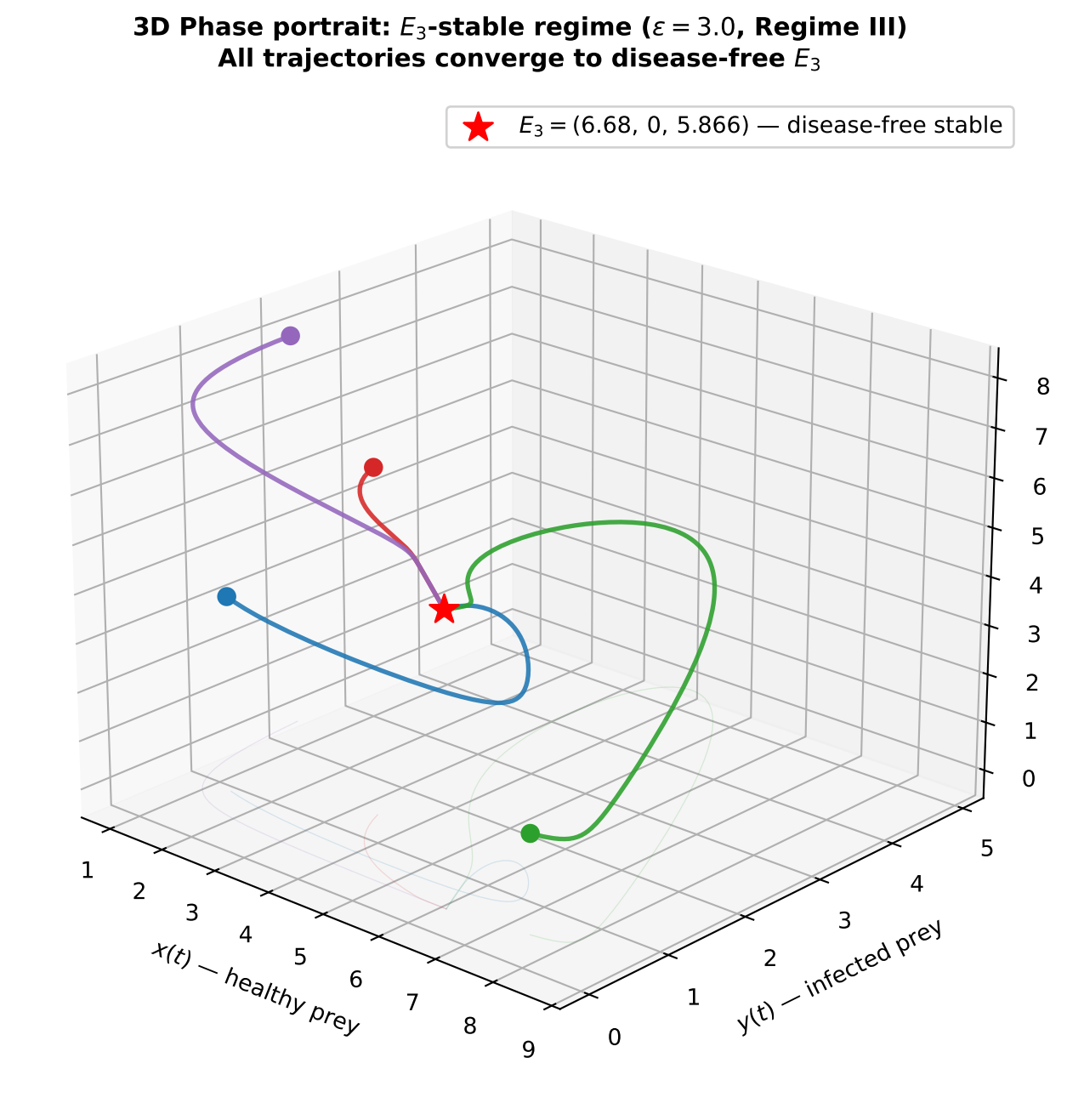
3D Phase portrait: E_3-stable regime ($\varepsilon = 3.0$, Regime III)
All trajectories converge to disease-free E_3
$E_3 = (6.68, 0, 5.866)$ — disease-free stable
x(t) — healthy prey
y(t) — infected prey
z(t) — predator
1
2
3
4
5
6
7
8
9
0
1
2
3
4
5
0
1
2
3
4
5
6
7
8