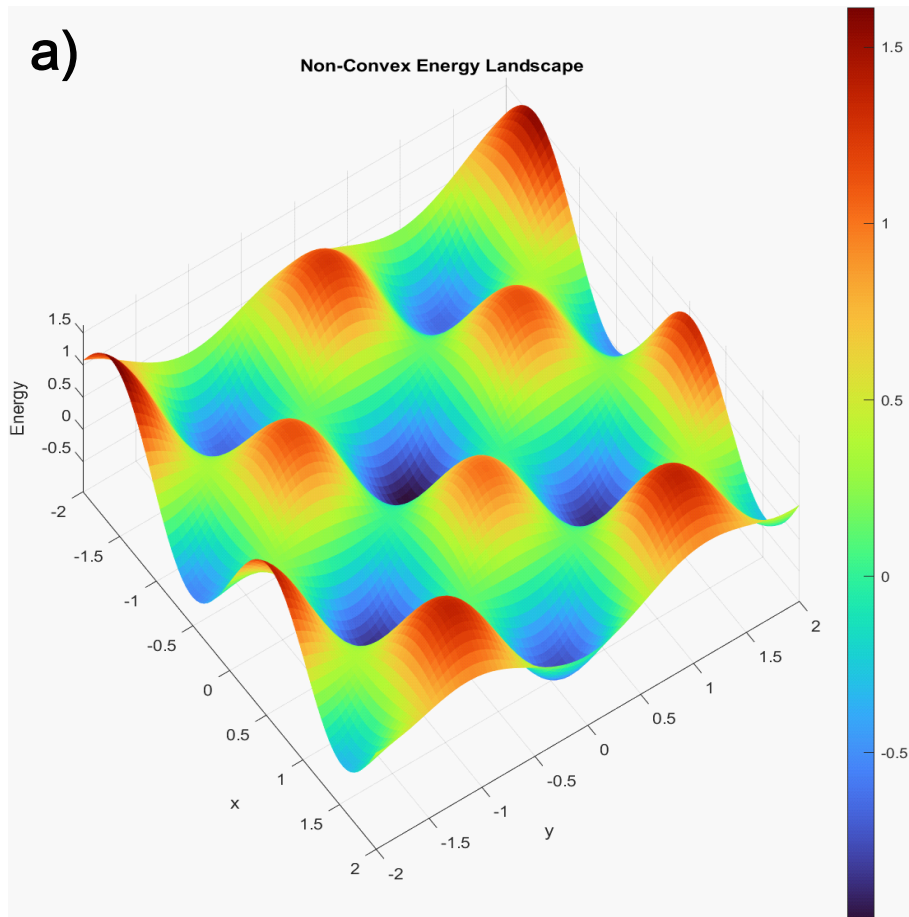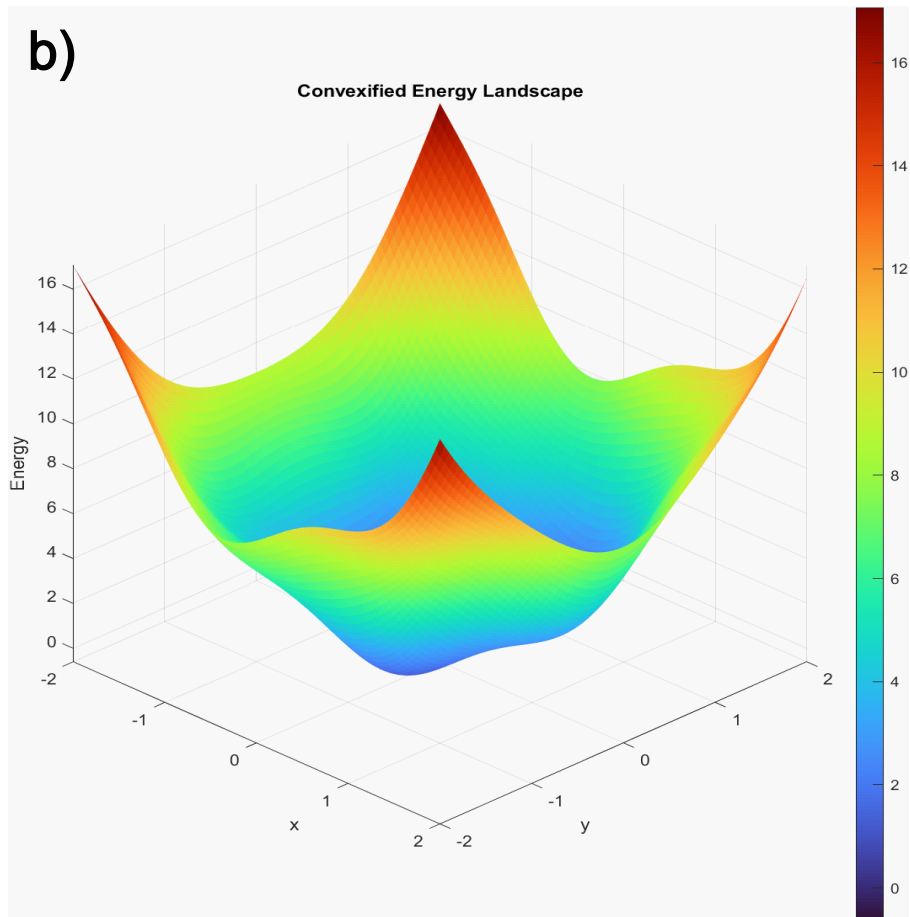a)

Non-Convex Energy Landscape

$E_1 = \sin(3x).*\cos(3y)$

b)

Convexified Energy Landscape

$E_2 = E_1 + \lambda * (x.^2 + y.^2)$