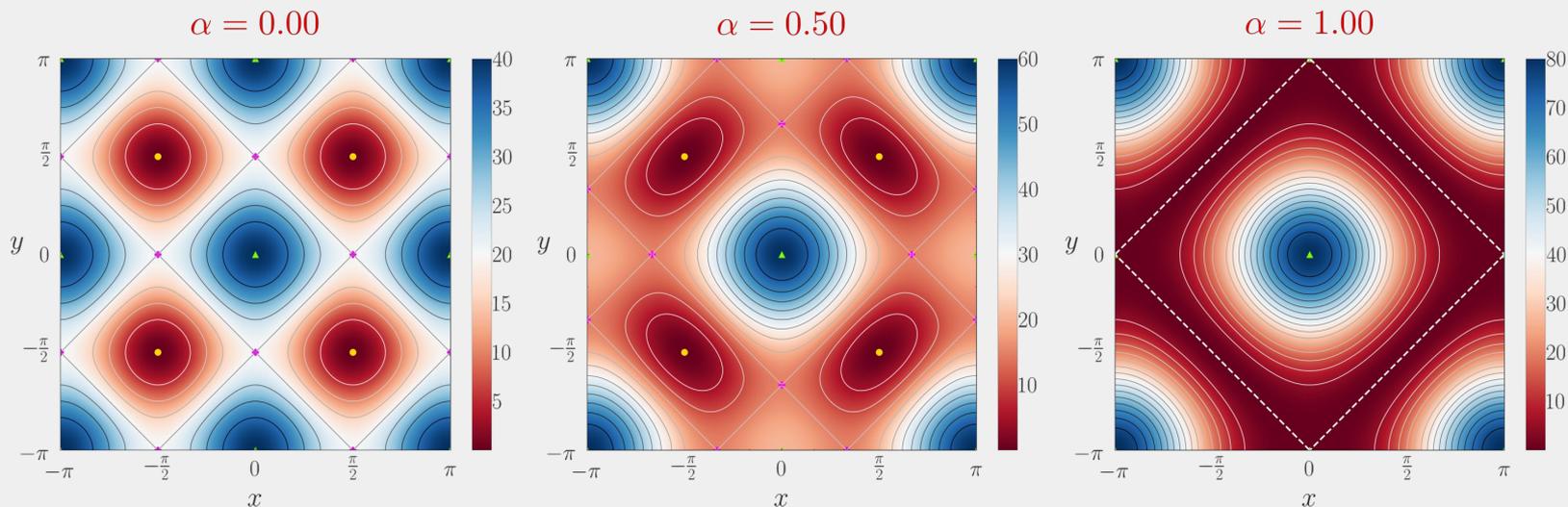
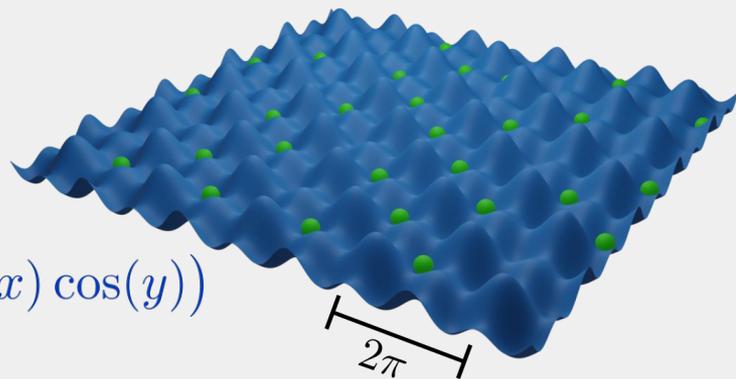


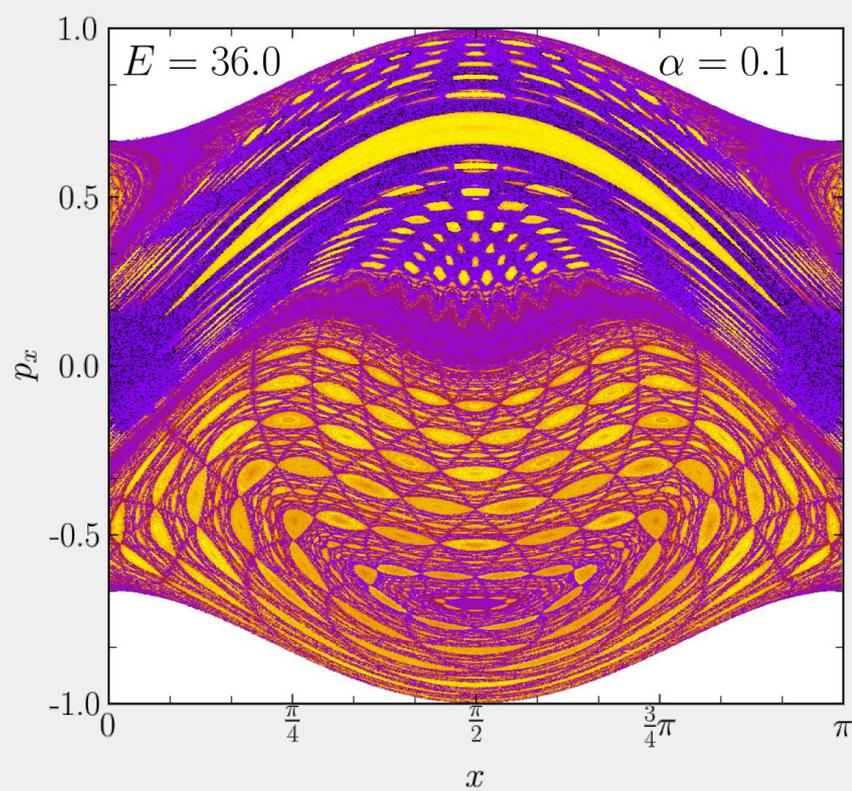
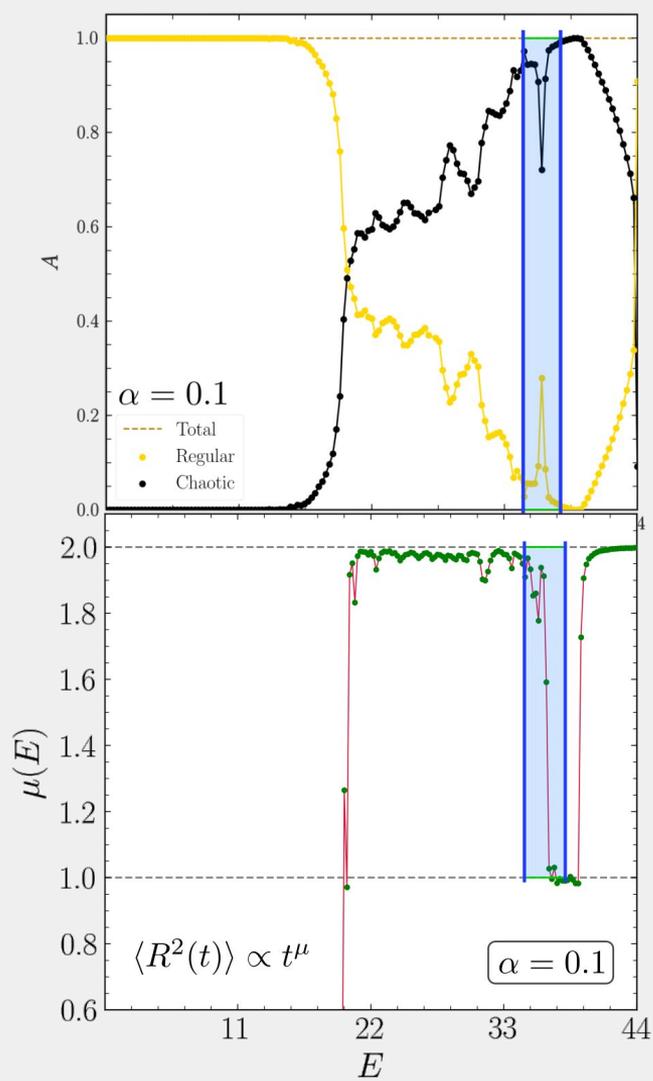
Model

$$H(x, y, p_x, p_y) = p_x^2 + p_y^2 + V(x, y)$$

where

$$V(x, y) = U (\cos^2(x) + \cos^2(y) + 2\alpha \cos(x) \cos(y))$$





- Non-trivial diffusion transition from free ($\mu \approx 2$) to normal ($\mu \approx 1$) regime
- Correlation with the emergence of an island myriad bifurcation (peak in stable area) for $E=36.0$