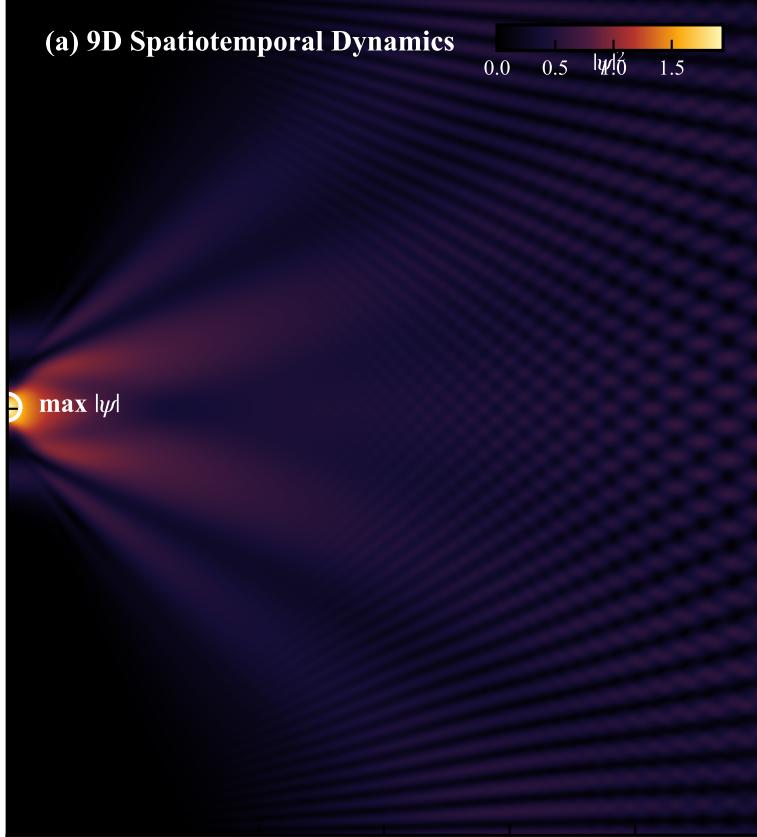


(a) 9D Spatiotemporal Dynamics

Space x



(b) Spatial Profile
Initial



9DOptimal Parameters

$$A_{\text{mod}} = 0.951$$

$$f_{\text{mod}} = 0.700$$

$$\phi_0 = 6.283$$

$$\alpha = 0.410$$

$$\beta = 2.800$$

$$\gamma_{\text{ext}} = 0.500$$

Performance

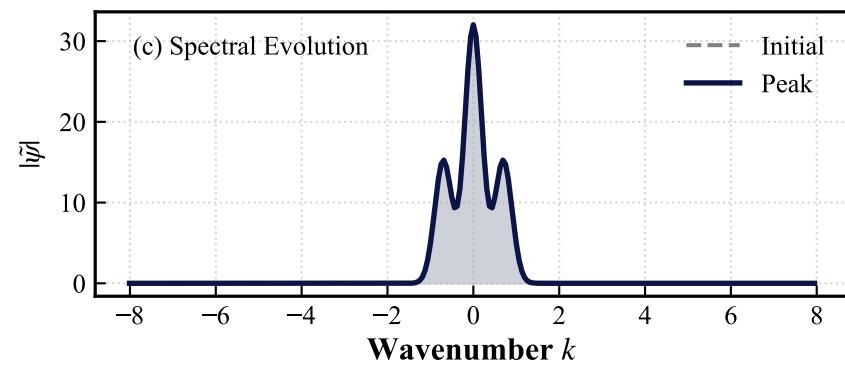
$$\text{Score} = 0.48$$

$$\text{Soliton Order} = 1.74$$

$$\text{Mass Ratio} = 1.000$$

$$\text{Energy Loss Rate} = 0.0005$$

(c) Spectral Evolution



(d) Amplitude Evolution

