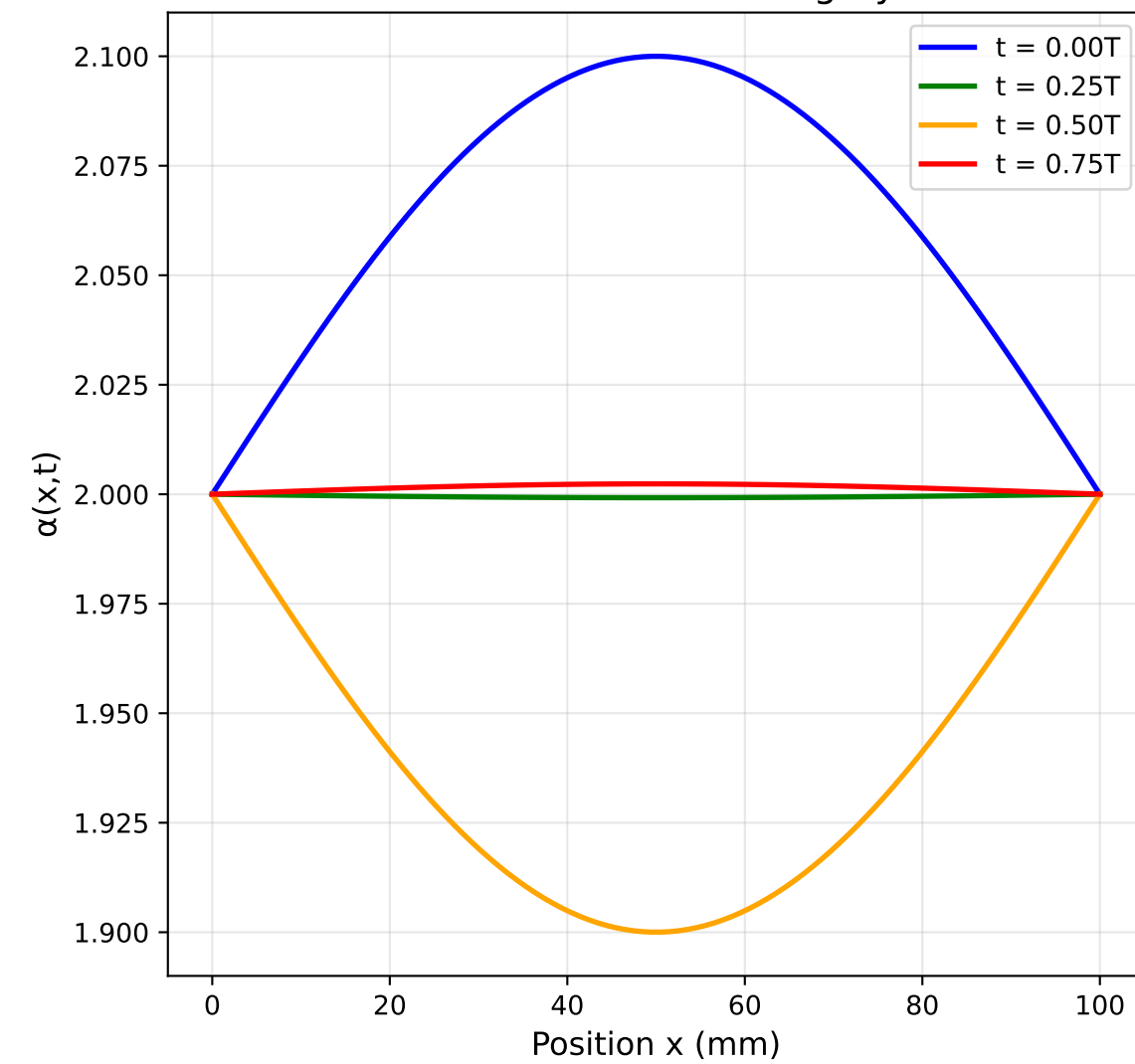
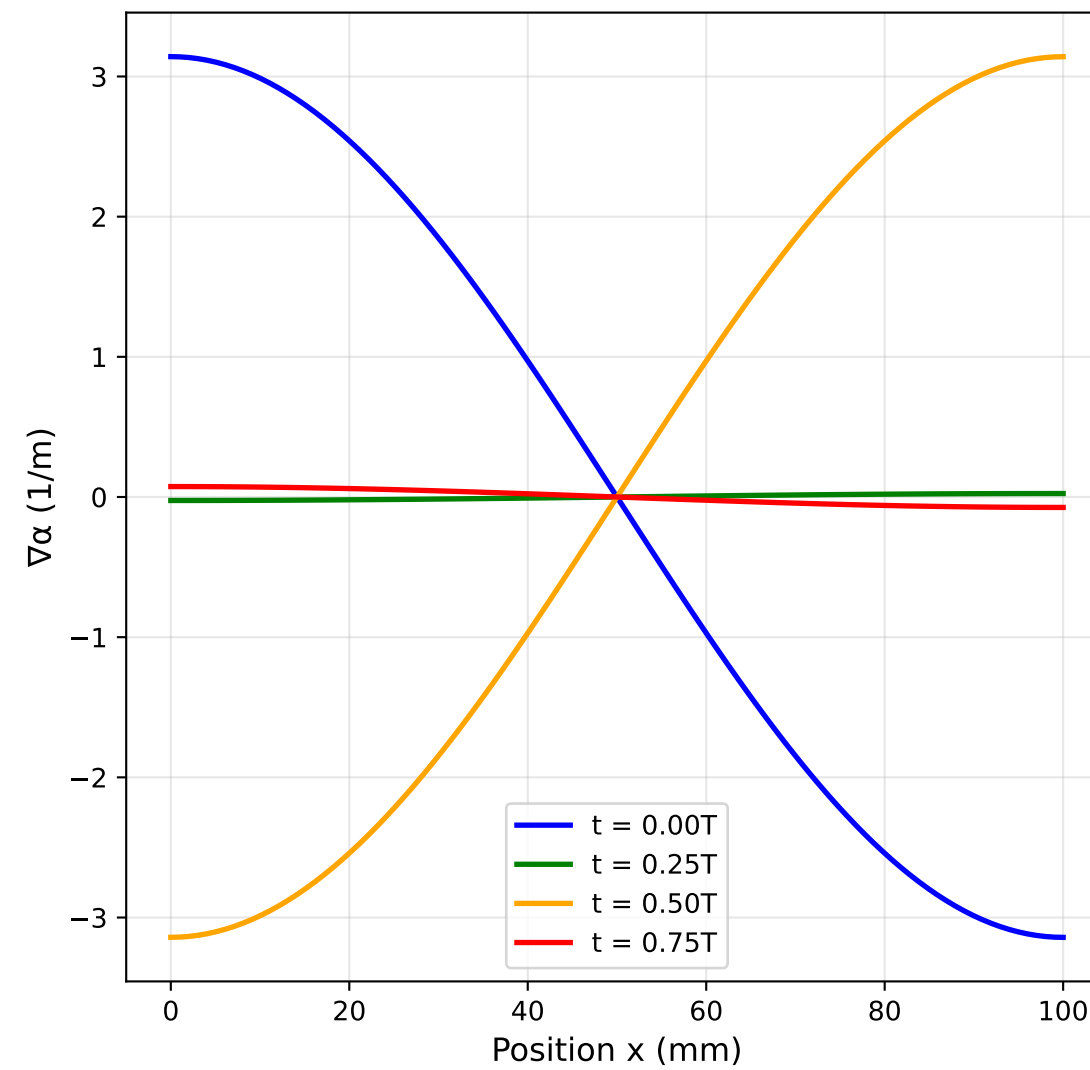
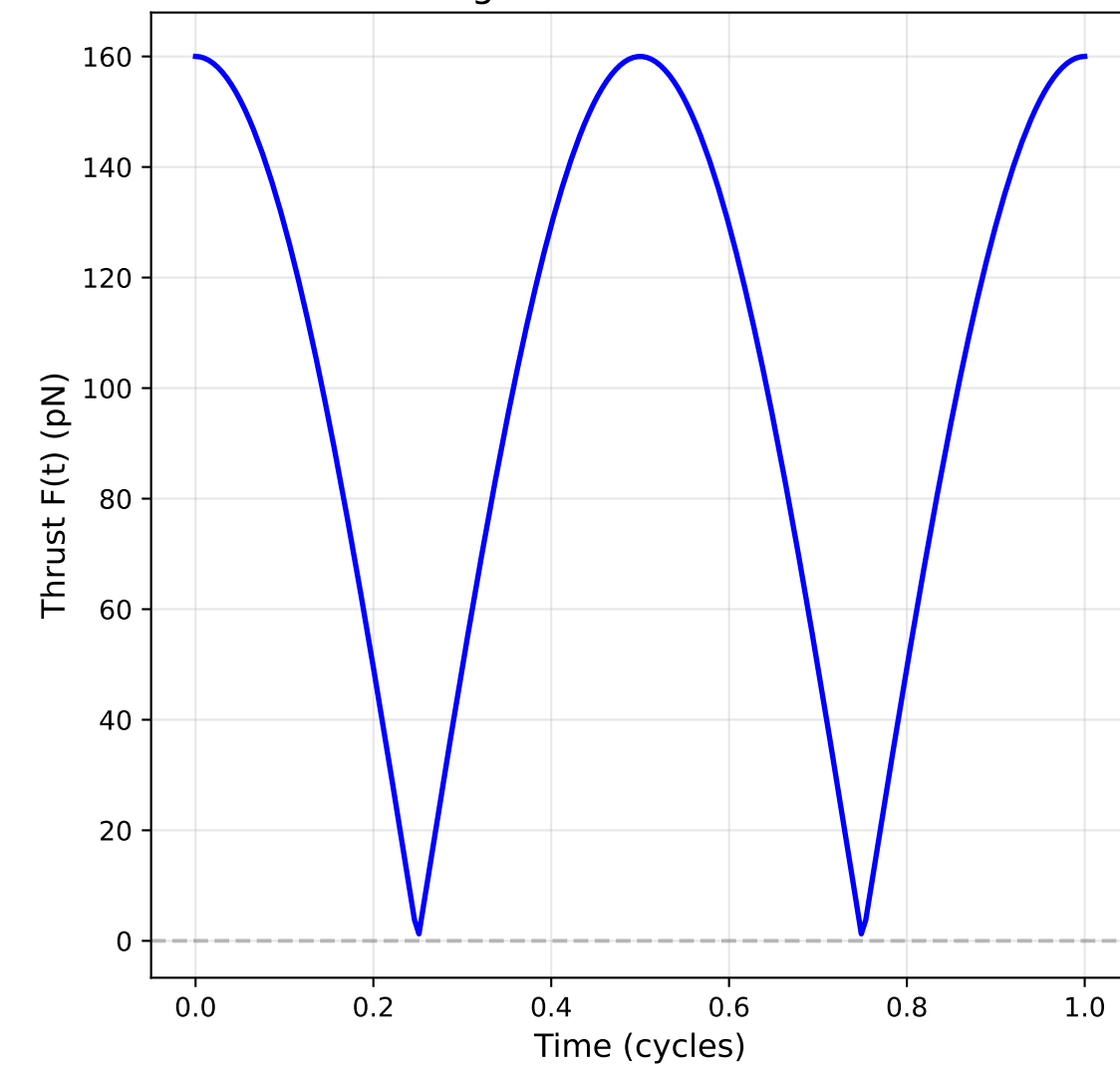


α -Profile Evolution During Cycle

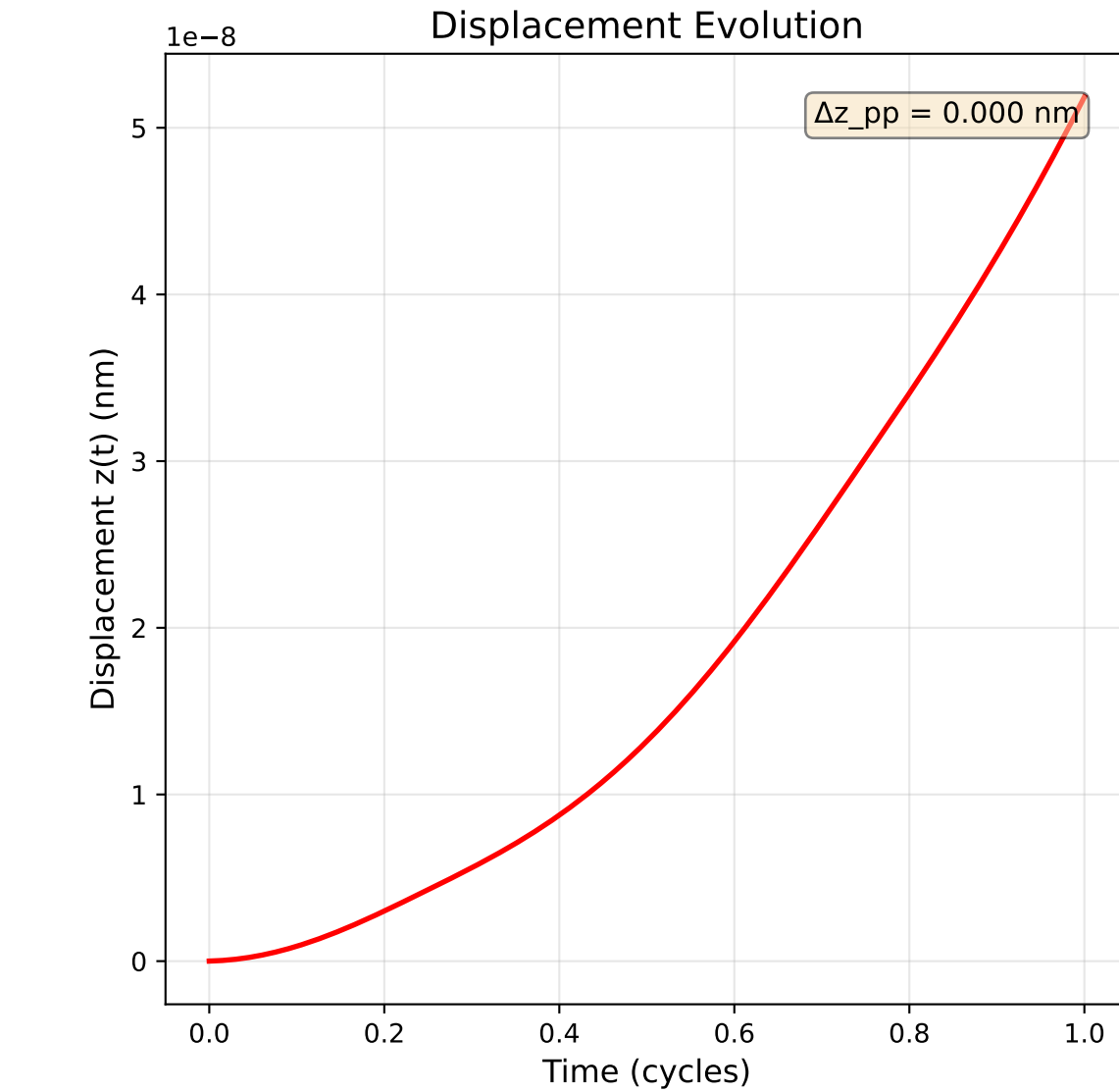
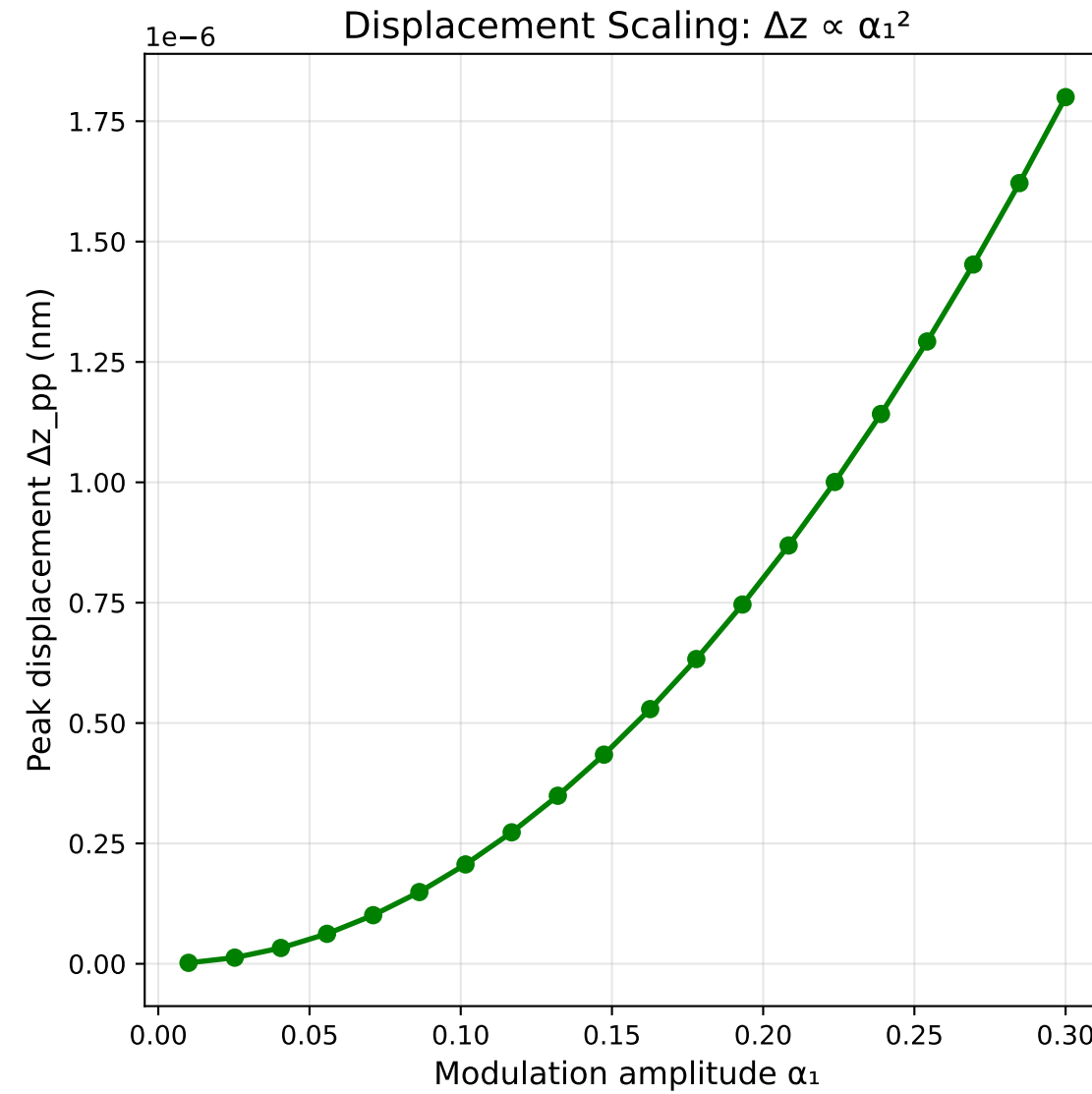
Gradient Evolution



Integrated Thrust vs Time



Displacement Evolution

Displacement Scaling: $\Delta z \propto \alpha_1^2$ Displacement Scaling: $\Delta z \propto 1/\omega^2$ 