(a) Synthetic dataset generation

Virtual laser scanning → Augmented displacement

(b) Displacement over time

5 cm

0 cm

Epoch 0

Epoch 40

Virtual VZ-400

100 m x 100 m

60°

300 m

f(x) = \sin(x)

f'(x) = \cos(x)

f''(x) = -\sin(x)

Dispalcement at Edge

Dispacement at Edge

Time

Epoch 40

...