TinyML Application: CNN Sensor Analytics for Structural Health Monitoring
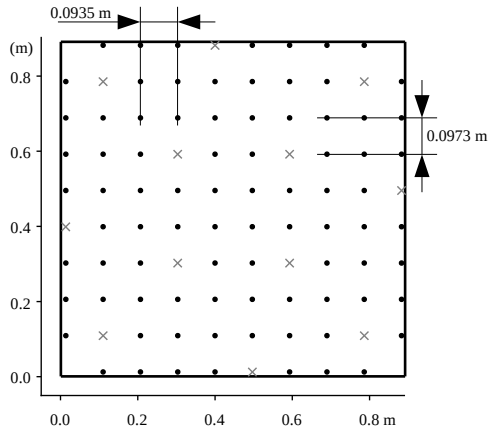
Experimental setup:

Sensor and noise positions

Training dataset

Testing dataset

Model architecture

Training dataset = 84 (excitation points) x 30,000 (samples)