

Problem
definition

Database
selection
(public domain)

Model
selection

Model
training code

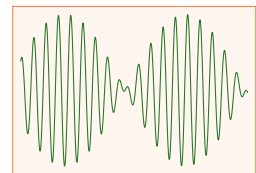
Derive "Tiny"
version:
Quantization

Embedded
implementation

Benchmarking
harness
integration

Deploy on
device

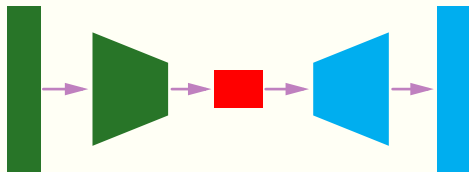
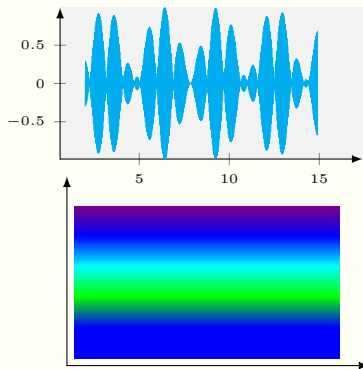
Example
benchmark
run



Anomalous Sound
Detection System

Normal

Anomaly



FP32

INT8

ARM
mbed OS

Training Code

Problem	AD
Model	FC-AE
Size	270 Kpar
Latency	10.4 ms/inf.
Accuracy	.86 AUC
Energy	516 μ J/inf.