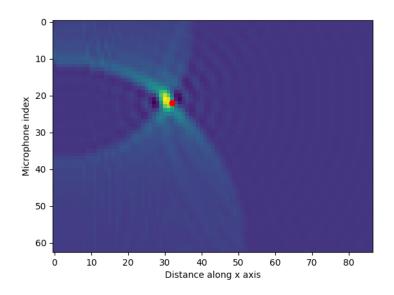
APL 8

Anurag Manoj ee22b003

November 2023

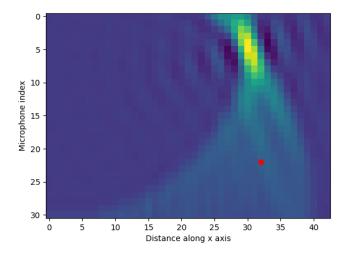
1 Sample Reconstructions

1.1 Nmics=64, Nsamp=200



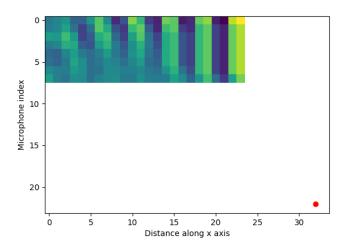
The obstacle is seen at around (3,-1)

1.2 Nmics=32, Nsamp=100



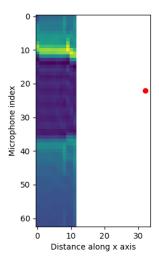
The obstacle barely fits into the field over which the mics can detect objects.

1.3 Nmics=8, Nsamp=50



There are too few mics, too small field of detection, to detect the object.

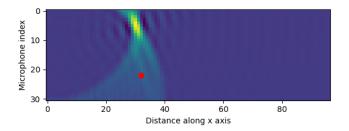
1.4 Nmics=64, Nsamp=100



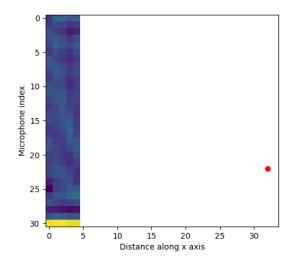
1.5 Nmics=64, Nsamp=50

There are too few samples to create any rectangular region containing all mics that lie in the field of detection of the mics.

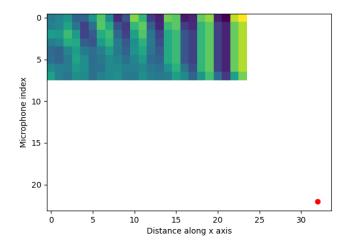
1.6 Nmics=32, Nsamp=200



1.7 Nmics=32, Nsamp=50



1.8 Nmics=8, Nsamp=50



1.9 Nmics=8, Nsamp=100

