



subprocedures

DoAE: direction of arrival estimation

UID : user identification

DoAT: DoA tracking

BF : beam forming

SF : spatial filtering

variables

DoA : direction of arrival

\mathbf{i} : identification sequence

\mathbf{X}, \mathbf{x} : signal model

DoA_T: DoAs up to date

$\hat{x}(t)$: filtered signal