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