

subprocedures

DoAE: direction of arrival estimation

UID : user identificationDoAT: DoA trackingBF : beam formingSF : spatial filtering

variables

DoA : direction of arrival i : identification sequence

 \mathbf{X}, \mathbf{x} : signal model $\mathrm{DoA_{T}}$: DoAs up to date $\hat{x}(t)$: fitered signal