Abstract

Generalized sidelobe cancellers (GSC) are sensitive to direction of arrival (DOA) mismatch leading to a phenomenon called signal cancellation. In the present report simulations are carried out to analyze the performance of GSC and DF-GSC with DOA mismatch. Computed results are validated against those given in open literature. Further analysis is carried out for steady state using mean square error (MSE) and signal to interference noise ratio (SINR) as the performance indices of sidelobe cancellers.