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Lemma 3; Appendix 2.D: Proof of Lemma 4; Appendix 2.E: Proof of Lemma 5; References; 3 Robust Capon Beamforming; 3.1 Introduction; 3.2 Problem Formulation; 3.3 Standard Capon Beamforming; 3.4 Robust Capon Beamforming with Single Constraint; 3.5 Capon Beamforming with Norm Constraint; 3.6 Robust Capon Beamforming with Double Constraints; 3.7 Robust Capon Beamforming with Constant Beamwidth and Constant Powerwidth
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7.1 Introduction

Sommario/riassunto

The latest research and developments in robust adaptive beamforming
Recent work has made great strides toward devising robust adaptive beamformers that vastly improve signal strength against background noise and directional interference. This dynamic technology has diverse applications, including radar, sonar, acoustics, astronomy, seismology, communications, and medical imaging. There are also exciting emerging applications such as smart antennas for wireless communications, handheld ultrasound imaging systems, and directional hearing aids. Robust Adaptive Beamforming compiles t
