

## ABOUT THE ANTISTABILIZING SOLUTION OF THE DARE

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ABSTRACT. Problems, connected with construction of the antistabilizing solution in the special case of DARE [1] are considered. It is shown, that these solutions can be obtained by using the Cayley transformation. The approaches [2], [3] to the possible interpretation of the solutions of such type of DARE have compared. Keywords: algebraic Riccati equation, antistabilizing solution, asymptotic methods, Cayley transformation.