UNIQUENESS OF LEFT INVERSES IN CONVEX DOMAINS, SYMMETRIZED BIDISC AND TETRABLOCK

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In the talk results from a common paper of L. Kosiński and W. Zwonek are presented. The problem has two origins. The one is connected with the Lempert Theorem and the other with the Nevanlinna-Pick problem. Among others the following results concerning the uniqueness of the Nevanlinna-Pick problem for two points (uniqueness of left inverses) are presented

- The strongly linearly convex domains allow no uniqueness of left inverses.
- The problem of uniqueness of left inverses in the symmetrized bidisc and the tetrablock are given.

The results presented show some interesting and unexpected phenomena.