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ON TWO–SIDED INTERPOLATION FOR UPPER TRIANGULAR MATRICES*

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Abstract. The space of upper triangular matrices with Hilbert–Schmidt norm can be viewed as a finite dimensional analogue of the Hardy space $\mathbf{H}_2$ of the unit disk when one introduces the adequate notion of "point" evaluation. A bitangential interpolation problem in this setting is studied. The description of all solution in terms of Beurling–Lax representation is given.

Key words. Interpolation, matrices.

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