

TRUNCATED TOEPLITZ OPERATORS ON FINITE DIMENSIONAL SPACES

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Abstract. In this paper, we study the matrix representations of compressions of Toeplitz operators to the finite dimensional model spaces $H^2 \ominus BH^2$, where B is a finite Blaschke product. In particular, we determine necessary and sufficient conditions – in terms of the matrix representation – of when a linear transformation on $H^2 \ominus BH^2$ is the compression of a Toeplitz operator. This result complements a related result of Sarason [6].

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