

## JOINTLY HYPONORMAL BLOCK TOEPLITZ PAIRS WITH RATIONAL SYMBOLS

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*Abstract.* In this paper, we are concerned with joint hyponormality of pairs of block Toeplitz operators acting on the vector-valued Hardy space  $H_{\mathbb{C}^n}^2$  of the unit circle. We give a general sufficient condition for the matrix-valued rational symbols of the jointly hyponormal pair to have the same co-analytic inner parts of the coprime factorizations of the symbols and then provide some results under this sufficient condition.

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