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FOCAL POWER*

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Abstract. The properties of a 2×2 block matrix M over a field for which $(M^k)_{11} = (M)_{11}^k$ are examined. This "fire-wall" property will be characterized by the vanishing of the sequence of moments $F_i = CD^iB$.

Key words. Matrix powers, Polynomials, (1,1) blocks.

AMS subject classifications. 15A24, 15A09, 15A57.

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