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NILPOTENT MATRICES AND SPECTRALLY ARBITRARY SIGN PATTERNS*

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Abstract. It is shown that all potentially nilpotent full sign patterns are spectrally arbitrary. A related result for sign patterns all of whose zeros lie on the main diagonal is also given.

Key words. Nilpotent matrices, Potentially nilpotent sign patterns, Spectrally arbitrary sign patterns.

AMS subject classifications. 15A18.

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