

FORTY NECESSARY AND SUFFICIENT CONDITIONS FOR REGULARITY OF INTERVAL MATRICES: A SURVEY*

JIRI ROHN[†]

Abstract. This is a survey of forty necessary and sufficient conditions for regularity of interval matrices published in various papers over the last thirty-five years. A full list of references to the sources of all the conditions is given, and they are commented on in detail.

Key words. Interval matrix, Regularity, Singularity, Necessary and sufficient condition, Algorithm.

AMS subject classifications. 15A24, 65G40.

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[†]Institute of Computer Science, Czech Academy of Sciences, Prague, and School of Business Administration, Anglo-American University, Prague, Czech Republic (rohn@cs.cas.cz). This work was supported by the Czech Republic Grant Agency under grants 201/09/1957 and 201/08/J020, and by the Institutional Research Plan AV0Z10300504.