ELA

EXPLICIT INVERSE OF AN INTERVAL MATRIX WITH UNIT MIDPOINT*

JIRI ROHN†

Abstract. Explicit formulae for the inverse of an interval matrix of the form $[I - \Delta, I + \Delta]$ (where I is the unit matrix) are proved via finding explicit solutions of certain nonlinear matrix equations.

Key words. Interval matrix, Unit midpoint, Inverse interval matrix, Regularity.

AMS subject classifications. 15A09, 65G40.