



ON EDMUNDS-TRIEBEL SPACES

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This paper is dedicated to Professor Lars-Erik Persson on the occasion of his 65th birthday

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ABSTRACT. We consider the Edmunds-Triebel logarithmic spaces $A_\theta(\log A)_{b,q}$ produced by a Banach couple $\bar{A} = (A_0, A_1)$, as special cases of extrapolation spaces and get estimates of a measure of weak noncompactness of the unit balls of these spaces in terms of the measures of weak noncompactness of the unit balls of the spaces A_0 and A_1 . We obtain also estimates of the n -th Jordan-von Neumann constant C_{NJ}^n and the n -th James constant J_n of the spaces $A_\theta(\log A)_{b,q}$ in terms of the corresponding constants of the spaces A_0 and A_1 .

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