

ON AN EXISTENCE RESULT OF LERAY FOR NONLINEAR INTEGRAL EQUATIONS

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Dedicated to Professor Ioan A. Rus on the occasion of his 70th birthday

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Abstract. We show that an overlooked existence theorem on nonlinear integral equations proved by Leray in his 1933 PhD thesis is related to results of Brezis-Browder and suggests some generalization.

Key Words and Phrases: Arzelá-Schmidt's method, nonlinear integral equation.

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