

Dedicated to Costică MUSTĂŢA on his 60th anniversary

APPLICATION OF FIBER PICARD OPERATORS TO INTEGRAL EQUATIONS

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Abstract. We use the existence and uniqueness fixed point theorems for operators of type $f : X^n \rightarrow X$ to study the existence and uniqueness of the solution for some integral equations. Also, we will use the fiber Picard operator technique to obtain derivability results with respect to some parameter.

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Keywords: fixed point, Picard operator, fiber Picard operator, integral equation.