

SCHAUDER-TYCHONOFF'S FIXED POINT THEOREM IN A VECTOR LATTICE

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Dedicated to Wataru Takahashi on the occasion of his retirement

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Abstract. In the previous paper [4] we show Takahashi's and Fan-Browder's fixed point theorems in a vector lattice using the topology introduced by [2]. The purpose of this paper is to show Schauder-Tychonoff's fixed point theorem using Fan-Browder's fixed point theorem.

Key Words and Phrases: Fixed point theorem, vector lattice, Riesz space.

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