



COMPLETE T -LATTICE AND APPLICATIONS

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Abstract

This paper is started by the definition of T -lattice and some examples, of sup complete semi- T -lattice and inf complete semi- T -lattice. Thereafter, we will introduce the concept complete T -lattice in the ordered structure which generalizes that of lattice complete. We continue them by the properties of T -lattice and results similar to that of lattice. Finally, we will extend the theorems of Tarski by new theorems of the fixed point with these applications.

Keywords and phrases: T -lattice.

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