

## PRIMITIVE IDEALS OF TOEPLITZ ALGEBRA OF ORDERED GROUPS

RIZKY ROSJANUARDI

**Abstract.** The topology on primitive ideal space of Toeplitz algebras of totally ordered abelian groups can be identified through the upwards-looking topology if and only if the chain of order ideals is well-ordered. We describe the topology on primitive ideal space of Toeplitz algebra of totally ordered abelian groups when the chain of order ideals is not well ordered.

---

Received 4-6-2008, Accepted 6-12-2008.

*2000 Mathematics Subject Classification:* 46L55

*Key words and Phrases:* Toeplitz algebra, totally ordered group, primitive ideal.

*Rizky Rosjanuardi:* Department of Mathematics Education, Universitas Pendidikan Indonesia (UPI), Bandung 40154, Indonesia.

E-mail: rizky@upi.edu.