

Meeting: 999, Nashville, Tennessee, SS 4A, Special Session on Universal Algebra and Lattice Theory

999-06-118 **Constantine Tsinakis*** (constantine.tsinakis@vanderbilt.edu), Department of Mathematics, Vanderbilt University, 1326 Stevenson Center, Nashville, TN 37240. *Minimal Varieties of Involutive Residuated Lattices.*

The talk will report on joint research with Annika Wille (of Technische Universität Darmstadt). We establish the existence uncountably many atoms in the subvariety lattice of the variety of involutive residuated lattices. The proof uses a construction of the corresponding result for residuated lattices and is based on the fact that every residuated lattice with greatest element can be associated in a canonical way with an involutive residuated lattice. (Joint work with Annika Wille) (Received August 17, 2004)