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John Lindsay Orr* (jorr@math.unl.edu), Department of Mathematics, University of Nebraska, Lincoln, NE 68588-0130. *Classifying the Stable Ideals of a Nest Algebra.*

There exists a complete description of the (closed, two-sided) automorphism-invariant ideals of a continuous nest algebra. However the description suffers from three problems: (a) there are eleven exceptional cases which had to be described separately, (b) the main characterization criterion is highly technical, and (c) it was not clear when two stable ideals were the same. In this talk we present new work which gives a fairly straightforward formula characterizing all such ideals, along with a natural criterion for classifying the ideals so described. The characterization of the ideals extends to a quotient norm formula. (Received August 29, 2005)