

Existence of a meet semi-distributive algebraic  
lattice of cardinality continuum that has no  
meet-prime element

Ralph McKenzie  
*Vanderbilt University, Nashville*  
*USA*

In the talk, I exhibit a lattice with the properties asserted in the title. This example solves a problem recently published by M. E. Adam, K. V. Adaricheva, W. Dziobiak and A. V. Kravchenko and also solves an old problem of V. Gorbunov. The example is the result of joint work with K. V. Adaricheva, M. Maroti, J. B. Nation and E. Zenk.