

He Wei, Jiang Shouli

Remarks on the sobriety of Scott topology and weak topology on posets

Comment.Math.Univ.Carolinae 43,3 (2002) 531-535.

Abstract: We give some necessary and sufficient conditions for the Scott topology on a complete lattice to be sober, and a sufficient condition for the weak topology on a poset to be sober. These generalize the corresponding results in [1], [2] and [4].

Keywords: sober topological space, Scott topology, weak topology

AMS Subject Classification: 06B30, 54F05