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**Jay Schweig\***, 401 MSCS, Stillwater, OK 74078, and **Russ Woodroffe**. *The Order Partition and Subposet Lattices*.

Given a poset  $P$ , the associated order partition lattice,  $O(P)$ , is the lattice of partitions that are “compatible” with the poset  $P$ . When  $P$  is the antichain,  $O(P)$  is the standard partition lattice. When  $P$  is a chain,  $O(P)$  is the Boolean lattice. Another lattice associated to a poset  $P$  is its subposet lattice, which is the lattice of all labeled subposets of  $P$ , ordered by refinement. We investigate the topology of the order complexes of these lattices, using EL- and CL-labelings to show that they are shellable. (Received August 11, 2015)