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Jim Lawrence* (lawrence@gmu.edu), Department of Mathematical Sciences, George Mason University, Fairfax, VA 22030-4444. *Parity representations of posets.*

The notion of a *parity representation* makes transparent some interesting aspects of the *interval poset* (poset of all intervals under inclusion) of a poset. The definition is given and the connection to interval posets is described. The connection is illustrated by reference to the examples of binary partition polytopes and their relatives. (Received February 18, 2018)