1086-06-1150 **David E. Brown** and **Larry J. Langley***, University of the Pacific, Mathematics Department, 3601 Pacific Ave, Stockton, CA 95211. *Construction of k-interval orders*. Preliminary report. Interval k-orders, (V, <) are a modification of interval orders with the vertices partitioned into k classes having an interval representation with the following properties. Intervals of vertices of different classes are ordered in the usual way, with x < y if and only if the interval of x is entirely to the left of the interval for y. Within a class, the intervals are proper, that is no interval is entirely contained in another, and x < y if and only if the left hand point of the interval for x is to the left of the left hand point of the interval for y.

Interval orders may be constructed from their predecessor and successor sets. In this talk we look at a similar construction for interval k-orders, under certain partitions. (Received September 19, 2012)