Julia Porcino and Irena Swanson* (iswanson@reed.edu), 3203 SE Woodstock Blvd, Portland, OR 97202. 2 x 2 permanental ideals of hypermatrices.

We determine the prime ideals minimal over the ideal generated by classes of 2 x 2 permanents of n-dimensional hypermatrices. We give their description in terms of admitted sets. We contrast our work with that of Swanson and Taylor on ideals generated by 2 x 2 determinants of the same hypermatrix. (Received August 25, 2011)