Virginia Naibo* (vnaibo@math.ksu.edu), Kansas State University, Mathematics Department, 138 Cardwell Hall, Manhattan, KS 66506, and Diego Maldonado. Weighted norm inequalities for bilinear pseudodifferential operators with mild regularity.

We establish boundedness properties on products of weighted Lebesgue, Hardy, and amalgam spaces of certain bilinear pseudodifferential operators with mild regularity. We do so by showing that these operators can be realized as generalized bilinear Calderón-Zygmund operators. (Received July 20, 2007)