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Jodi Herbert*, Kansas State University, Department of Mathematics, 138 Cardwell Hall,
Manhattan, KS 66506, and **Virginia Naibo**. *Bilinear pseudodifferential operators with symbols in
Besov spaces*. Preliminary report.

The boundedness of bilinear pseudodifferential operators on Lebesgue spaces is demonstrated in the case when the corresponding symbols belong to various Besov spaces of product type. Also shown is the connection between these results and their counterparts for symbols in certain bilinear Hörmander classes. Finally, as a direct consequence of the outcomes in the context of Besov spaces, an upper bound on the number of derivatives sufficient for boundedness is obtained. (Received August 13, 2013)