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Hong Rae Cho, Boo Rim Choe* (cbr@korea.ac.kr) and **Hyungwoon Koo**. *Linear sums of composition operators on the Fock-Sobolev spaces*. Preliminary report.

Linear sums of composition operators acting on the Fock-Sobolev spaces of several variables are studied. We show that such an operator is bounded only when all the composition operators in the combination are bounded individually. So, cancelation phenomenon is not possible on the Fock-Sobolev spaces, in contrast to what have been known on other well-known function spaces over the unit disk. We also show the analogues for compactness and the membership in the Schatten classes. In particular, compactness and the membership in some/all of the Schatten classes turn out to be the same. (Received December 06, 2011)