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Hannah E Burson* (hburso2@illinois.edu). *q-series related to odd Ferrers diagrams.*

One combinatorial interpretation of the third-order mock theta function $\omega(q)$ is that the coefficient of q^n counts the number of odd Ferrers diagrams of size $n + 1$. In this talk, we define odd Ferrers diagrams and consider some weighted variations on their generating functions. In the process, we give new combinatorial interpretations of one of Ramanujan's false theta function identities and two second-order mock theta functions. (Received January 23, 2019)