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Haochen Wu* (wuh15@wfu.edu), 214 Crowne View Dr, Winston-Salem, NC 27106. *On the Number of Representations by Primitive Positive-Definite Integer-Valued Quaternary Quadratic Forms*. Preliminary report.

Let $\{Q_1, Q_2, \dots, Q_s\}$ be a finite set of primitive positive-definite integer-valued quaternary quadratic forms. We show that there exists a primitive positive-definite integer-valued quaternary quadratic form Q and a positive integer n such that Q represents n more times than Q_i for all $1 \leq i \leq s$. (Received August 22, 2020)