1112-05-196 **Sung Y. Song*** (sysong@iastate.edu), Department of Mathematics, Iowa State University, Ames, IA 50011-2061, and **Grant Bowling**, **Kavi Duvvoori** and **Robert Lazar**. *A family of q-analog partially balanced t-designs over $GF(q)$.* Preliminary report.

A q-analog partially balanced t-design over the finite field $GF(q)$, denoted a PB t-$(v, k, \{\lambda_1, \lambda_2, \ldots, \lambda_m\}; q)$-design, is a collection of k-dimensional subspaces of a v-dimensional vector space over $GF(q)$, such that each t-dimensional subspace is contained in λ_i k-subspaces in the collection for some $i \in \{1, 2, \ldots, m\}$. By using the field reduction maps, we give a construction of a family of non-trivial PB t-$(v, k, \{\lambda_1, \lambda_2, \ldots, \lambda_m\}; q)$-designs with v composite for small t and m. (Received August 03, 2015)