

q-ANALOGS OF ORDER STATISTICS

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Abstract: We introduce the notion of the q -analog of the k -th order statistics. We give a distribution and asymptotic distributions of q -analogs of the k -th order statistics and the intermediate order statistics with $r \rightarrow \infty$ and $r - k \rightarrow \infty$ in the projective geometry $PG(r - 1, q)$.

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