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American University of Sharjah, Sharjah, 26666, United Arab Emirates. *Codes from incidence
matrices and line graphs of generalized Paley graphs*. Preliminary report.

We examine the binary codes from incidence matrices of generalized Paley graphs $GP(q, S)$, where q is an odd prime power. We show that the binary codes are $[\frac{qs}{2}, q-1, s]$, when s is even and $[qs, q-1, 2s]$, when s is odd, where $s = |S|$. By finding explicit PD-sets we show that these codes can be used for permutation decoding. (Received September 07, 2011)