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**David C Clark\*** (dcclark@mtu.edu), Department of Mathematical Sciences, 1400 Townsend Drive, Houghton, MI 49931, and **Vladimir D Tonchev**. *Quantum codes from finite geometry designs.*

In the last 15 years, researchers have proposed many different methods for constructing quantum codes from classical codes. We present results which show how finite geometry designs are especially well suited to be used with many of these constructions. Using several of these constructions, we produce infinite classes of quantum codes which inherit their best properties from finite geometry designs. We also give several results concerning the properties of the underlying classical codes. (Received September 04, 2011)