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([swisherh@math.oregonstate.edu](mailto:swisherh@math.oregonstate.edu)), Oregon State University, 368 Kidder Hall, Corvallis, OR 97331, and **Fang-Ting Tu**. *Connections between hypergeometric series, hypergeometric algebraic varieties, and supercongruences.*

We investigate relationships between classical hypergeometric series, Gaussian hypergeometric series over finite fields, and truncated classical hypergeometric series through their connections with a family of hypergeometric algebraic varieties arising as higher dimensional analogues of generalized Legendre curves. (Received September 15, 2015)