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Christelle Vincent* (cvincent@stanford.edu), Stanford, CA 94305. *Weierstrass points on Drinfeld modular curves.*

We consider the so-called Drinfeld setting, a function field analogue of some aspects of the theory of modular forms, modular curves and elliptic curves. We are interested in studying a finite set of points of geometric interest, the Weierstrass points, of the curve $X_0(\mathfrak{p})$ for \mathfrak{p} a prime ideal. We show that each supersingular j -invariant, except possibly the elliptic j -invariant $j = 0$, is the reduction modulo \mathfrak{p} of the j -invariant of a Weierstrass point of the modular curve $X_0(\mathfrak{p})$. (Received September 16, 2014)