1079-33-45 Andrew Burruss* (alburruss@gmail.com) and Razvan Teodorescu. Normalization Conditions of an Elliptic Curve Construction. Preliminary report.

An asymptotic description of the first Painleve transcendent uses a construction of an elliptic curve. We consider the normalization conditions on the given elliptic curve. In particular, the normalization condition defines a unique complex number which contributes to the equation of the curve and defines its cycles. (Received December 02, 2011)