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## REDUCTION OF THE ELLIPTIC ELEMENT TO THE WEIERSTRASS FORM.

BY PROFESSOR F. H. SAFFORD.

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IN Enneper's *Elliptische Functionen*, page 27, may be found a method due to Weierstrass of reducing the general elliptic element to the Weierstrass form. Briefly, from

$$(1) \quad x = x_0 + \frac{\sqrt{R(x_0)} \sqrt{(4s^3 - g_2s - g_3)} + \frac{1}{2}R'(x_0)[s - \frac{1}{2}\frac{R''(x_0)}{R'(x_0)}] + \frac{1}{2}\frac{R(x_0)R'''(x_0)}{R'(x_0)}}{2[s - \frac{1}{2}\frac{R''(x_0)}{R'(x_0)}]^2 - \frac{1}{2}A \cdot R(x_0)}$$