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where  $\phi_1(x, y) = 0$  is the equation obtained by eliminating  $t$  from the equations  $x = f_1(t)$ ,  $y = f_2(t)$  and where  $\phi_2(x, z) = 0$  is the one obtained by eliminating  $t$  between the pair  $x = f_1(t)$ ,  $z = f_3(t)$ . A usual parameter  $t$  to take is the length of the curve measured from some fixed point.

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-[partial derivative] $H$ /[partial derivative] $q = P(p, q, t)/R(p, q, t)$ , [partial derivative] $H$ /[partial derivative] $p = Q(p, q, t)/R(p, q, t)$  then we may put the equations (4) in the form  $dp/P(p, q, t) = dq/Q(p, q, t) = dt/R(p, q, t)$  (5)

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