Goldstein 9.4 Ca=In Eq sinp] $|D| = q \frac{\cos p}{\sin p}$ e = q sinp = => sinp = q e | p = e cosp The third generating function relation gives F= F3 (ρ, Q, +)+ 9-p; then 9:=- δF3 We use this ansatz and set up a differential eg for Fz: $Q = -\frac{1}{3} = -\frac{Q}{5 \text{ inp}}$ $P = -\frac{1}{\sqrt{3}} = e^{-Q} \cos p$ The is solved via $[F_3 = e^Q sinp]$ so The given transformation satisfies the canonical transformation eq. P 5-20 20 20 20 20 The Contact Score Dardon Chen

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