

# THE $Q$ -PRIME CURVATURE EQUATION IN CR GEOMETRY

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**Abstract.** By analogy from conformal geometry, I will discuss the  $P$ -prime operator and its associated  $Q$ -prime curvature. Making use of the Moser-Trudinger inequality, it is possible to solve a variational problem in order to find a contact form of constant  $Q$ -prime curvature. I will also mention an isoperimetric inequality associated with the  $Q$ -prime curvature integral.