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Kanghai Tan* (tankanghai2000@yahoo.com.cn), Nanjing, Jiangsu 210094, Peoples Rep of China. *Convexity in sub-Riemannian Geometry and Its Applications.*

We studied a notion of convexity in the setting of sub-Riemannian geometry. We will show some interesting applications in several complex variables, in particular in CR geometry. (Received February 02, 2009)