# Compact hypersurfaces in Randers space

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**Abstract.** Let $\left(\overline{M}^{n+1}, \overline{F}\right)$ be a Randers space and $(M^n, F)$ a compact hypersurface of $\left(\overline{M}^{n+1}, \overline{F}\right)$. In this paper, we prove that if the second mean curvature $H_2$ is constant and the norm square $S$ of the second fundamental form of $M$ satisfies a certain inequality, then either $M$ is a Randers space with constant flag curvature $1 + H_2$ or the equality holds.