

A Hubble parameter estimate $H_0 = (73.37 \pm 0.54)$ km/s/Mpc from the late-time Universe and the BAO

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Modern precision measurements of the Hubble parameter H_0 increasingly lay bare an accelerated expansion of the Universe beyond what is expected from Planck-LCDM analysis of the Cosmic Microwave Background (CMB). This H_0 -tension is here modeled by a non-local dark energy $\Lambda = g(1-q)H^2$, subject to the age of the Universe and the BAO inferred from globular clusters of the Milky Way and, respectively, the CMB. Bootstrapping from LCDM, we estimate $H_0 = (73.37 \pm 0.54)$ km/s/Mpc with gravitational coupling constant $g = (1-\alpha/2)$, anticipating Riess' et al. recent measurement $H_0 = (73.30 \pm 1.04)$ km/s/Mpc. (Based on van Putten PLB 823 136737 (2021).)

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