

Abstract Submitted
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Thomson scattering of supernova radiation and the expansion history of the Universe DAVID W. KRAFT, University of Bridgeport — The observed distances to SNe Ia objects are corrected for the Thomson scattering of their radiation by free electrons. An independent calculation of the density of free electrons contained in a dark intergalactic plasma is adequate for close agreement of the corrected distances with predictions of the luminosity-distance relation. Hence the apparent dimming of SNe Ia objects can be understood without recourse to cosmic acceleration and cosmic jerk.

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