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Dispersive Extinction Theory of Cosmic Red Shift – An Alternative to the Big Bang Theory LING JUN WANG, University of Tennessee at Chattanooga — A dispersive extinction theory is presented to explain the cosmic red shift and the 2.7 K background radiation as an alternative to the currently prevailing Doppler shift theory and the Big Bang Theory. According to this theory, the cosmic red shift and the 2.7 K background radiation are due to the dispersive scattering and absorption of star light by the space medium. An estimate of the non-linear absorption constant is given by comparing the result to the Hubble constant derived from the observational data. An experimental method is designed to test the validity of the dispersive extinction theory as opposed to the Doppler shift theory. Keywords: red shift, Doppler shift, Big Bang Theory, dispersive extinction theory.

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