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CMB Anisotropy and the role they play in probing cosmological parameters: WMAP satellite VISHAL JAYSWAL, Univ of Houston - Clear Lake — We study the perturbation of Einstein's field equations and radiation angular power spectrum of the Cosmic Microwave Background (CMB) anisotropy to understand the temperature fluctuations in the early universe. Using Weinberg's approach, we plot the scalar multiple coefficient C_ℓ^S / 2Ω in square microKelvin for different cosmological parameters H_o , $\Omega_b h^2$, $\Omega_c h^2$, etc. (using WMAP & 'LAMBDA' data). The effect of the changes in various cosmological parameters on the multipole coefficients in the radiation angular power spectrum of the Cosmic Microwave Background (CMB) anisotropy is related; consistent with the evolution of universe.

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