

Dust Extinction in a Thick Medium and Star Formtion

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We developed a Monte Carlo code that describes the Lyman alpha resonant transfer in the optically thick, dusty medium. We tested the code against the analytic formula derived by Neufeld (1990). We applied our code to examine the amount of dust extinction of Lyman alpha resonant line, which transforms to far-IR radiation, in the local starburst galaxies. We briefly comment on the relationship between star formation rate and dust extinction in both local starbursts and primeval galaxies at high redshift.