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# Modeling Dust in Galaxy Simulations

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## Abstract

Modeling astrophysical dust grains in modern cosmological galaxy formation simulations – which typically only resolve elements down to  $1e3$ - $1e4$  Msun at best – is an extremely challenging feat. In this overview, I will discuss the main methodologies that have emerged in recent years, successes and limitations of the models, and provide an outlook for the future.

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