

## Dependence on sticking effects of composing material during planetesimal formation

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The one of the most important processes in planetesimal formation is collisions between dust aggregates in a protoplanetary nebula. The collisions between the aggregates are simulated with the use of SPH hydrocode. It has been found that the stickiness of composing grains greatly affects collisions between grain aggregates. This implies that the temperature in a protoplanetary nebula is a key parameter in planetesimal formation.

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