

Abstract Submitted  
for the SES20 Meeting of  
The American Physical Society

**Six-body van der Waals interactions**<sup>1</sup> JIANING HAN, Univ of South Alabama — Van der Waals interactions are dipole-dipole interactions. In this article, we focus on three-dimensional few-body van der Waals interactions. Specifically, we focus on six dipoles interacting through pair-wise van der Waals interactions. This study has many potential applications. For example, the result may be applied to physics, chemistry, chemical engineering, and other fields of sciences and engineering, such as breaking molecules.

<sup>1</sup>This work is supported by the Air Force Office of Scientific Research (AFOSR).

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Date submitted: 19 Oct 2020

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