

Review of: "Falling Objects and Dust Particles' Motion in the "Collecting Lunar Rock on the Buster Crater" Sequence of the Apollo XVI Footage"

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Potential competing interests: No potential competing interests to declare.

I like this work. Obviously, this topic is pretty innovative. In the meanwhile, the author provided detailed calculations, and the results are quite interesting. The paper contributes to the body of knowledge by providing a detailed analysis of the motion of lunar dust and falling objects in the Apollo XVI footage. It extends previous studies on lunar surface kinematics and offers a robust analytical method for tracking and analyzing these movements, thereby adding to our understanding of lunar environment dynamics. In addition, the paper includes detailed descriptions of the sequences analyzed, the methods used for tracking and analyzing the movements, and the results obtained. The use of figures and references to specific frames from the footage helps in understanding the analysis process. The document is well-written, with no significant English grammar or expression errors. However, some minor improvements could be made for clarity and readability. For instance:

- In the abstract, "the dust shot during the Apollo XVI mission" could be rephrased to "the dust particles observed during the Apollo XVI mission."
- The phrase "the cinematic events took place" could be rephrased to "the kinematic events occurred."

Acceptance with minor revision.