

Design of Lunar Lander for Soft Landing

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Abstract: *The design of a Lunar Lander capable of carrying a lightweight unspecified payload to the moon. Also introducing new technologies to improve the soft-landing, impact reduction during landing. We believe that such a system could make a large contribution towards the continued progress of the space program. The system could be utilized in further scientific study of the Moon by carrying payloads of scientific instruments custom-packaged for specific explorer missions. Additionally, it could help establish and/or support a manned lunar base, through the transfer of small amounts of building materials, communications equipment, a lunar rover vehicle, or other supplies. The ideas proposed as solution to soft-landing and impact problems. The work which will be completed by the support of the design experts; justifications, validations, and verifications of decisions made during the project; and suggestions for future work to be done in support of the project.*

Keywords: Lunar Lander, Soft-landing, Impact problems, Lander Design

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