Although this program has been tested by the contributor, no warranty, express or implied, is made by the contributor, Digital Equipment Computer Users Society or Digital Equipment Corporation as to the accuracy or functioning of the program or related program material, and no responsibility is assumed by these parties in connection therewith.
ABSTRACT

This program realistically simulates an Apollo moon landing using NASA figures. It begins with module at 0 seconds, 120 miles above the moon, carrying 16000 pounds of fuel, with a velocity of 2600 miles per hour. Upon radar checks of velocity, altitude, remaining fuel, and time each 10 seconds, you may decide upon fuel rate for next time interval. The object is to land safely on the moon.

RESTRICTIONS

You cannot retain FOCAL's extended functions (LOG, EXP, etc).
01.04 T "CONTROL CALLING LUNAR MODULE. MANUAL CONTROL IS NECESSARY!"
01.06 T "YOU MAY RESET FUEL RATE K EACH 10 SECS TO 0 OR ANY VALUE!"
01.09 T "BETWEEN 8 & 200 LBS/SEC. YOU’VE 16000 LBS FUEL. ESTIMATED!"
01.11 T "FREE FALIL IMPACT TIME=120 SECS. CAPSULE WEIGHT=32500 LBS!
01.20 T "FIRST RADAR CHECK COMING UP!!!
01.30 T "COMMENCE LANDING PROCEDURE!" TIME,SECS ALTITUDE,"!
01.40 T "MILES+FEET VELOCITY, MPH, FUEL, LBS FUEL RATE!"
01.50 S L=0; S A=120; S V=1; S M=32500; S N=16500; S G=0.001; S Z=1.8
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