

6.5 Shaping Constants for LLV1

Shaping constants for LLV1 were developed as described in Section 6.3 for Delta, except that a total of 290,000 simulations were made between the programming time of 1 second and staging at 290 seconds. The percentages of vehicles that break up during simulated random-attitude turns are plotted in Figure 29. As expected, the results are similar to those shown previously for Atlas, Delta, and Titan although, due to its higher acceleration, the rapid drop-off from near 100% breakup occurs at an earlier time for the LLV1 than for the other vehicles.

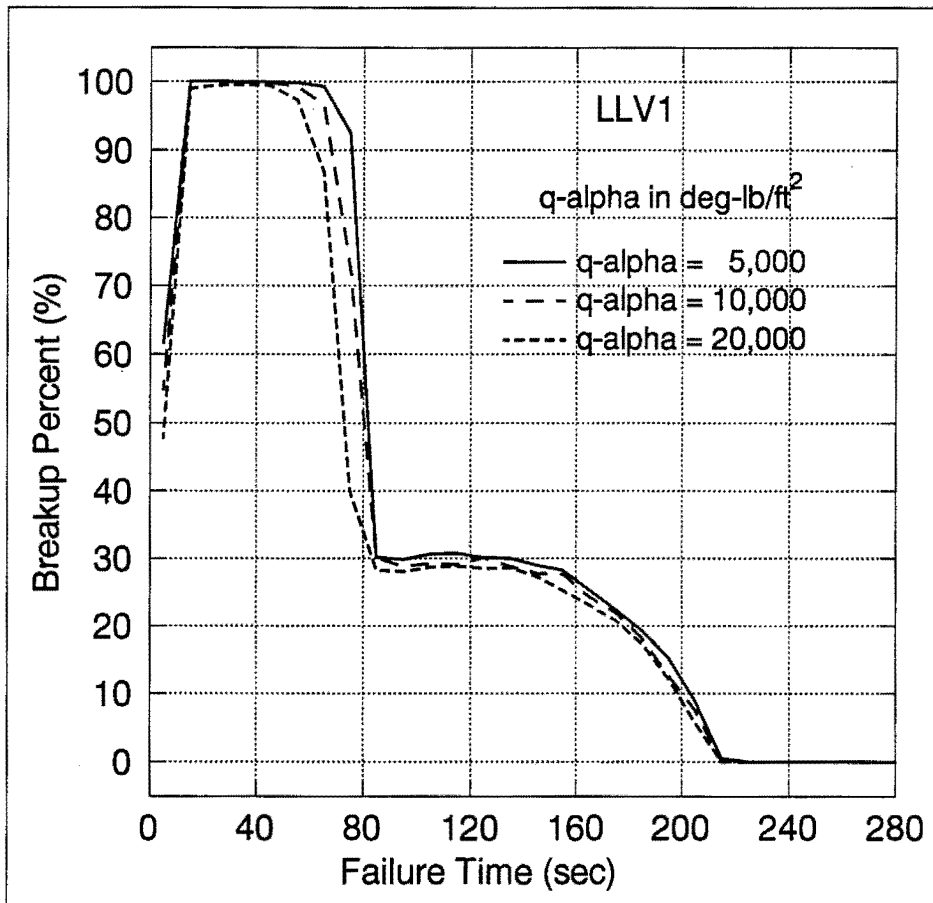


Figure 29. LLV1 Breakup Percentages