

The simulated impact distributions plotted in Figure 28 are identical to those shown in Figure 27. The theoretical Mode-5 percentages were obtained by testing various combinations of B and A until a good fit between the simulated malfunction-turn results and theoretical impact-distribution data was obtained in the sectors from $\pm 60^\circ$ to $\pm 180^\circ$. Although somewhat better fits may be possible for the lower breakup $q\alpha$'s, the effort to find them did not seem worthwhile, since the A's and B's shown in the figure produced fits that were more than adequate in the sectors where the population centers are located.

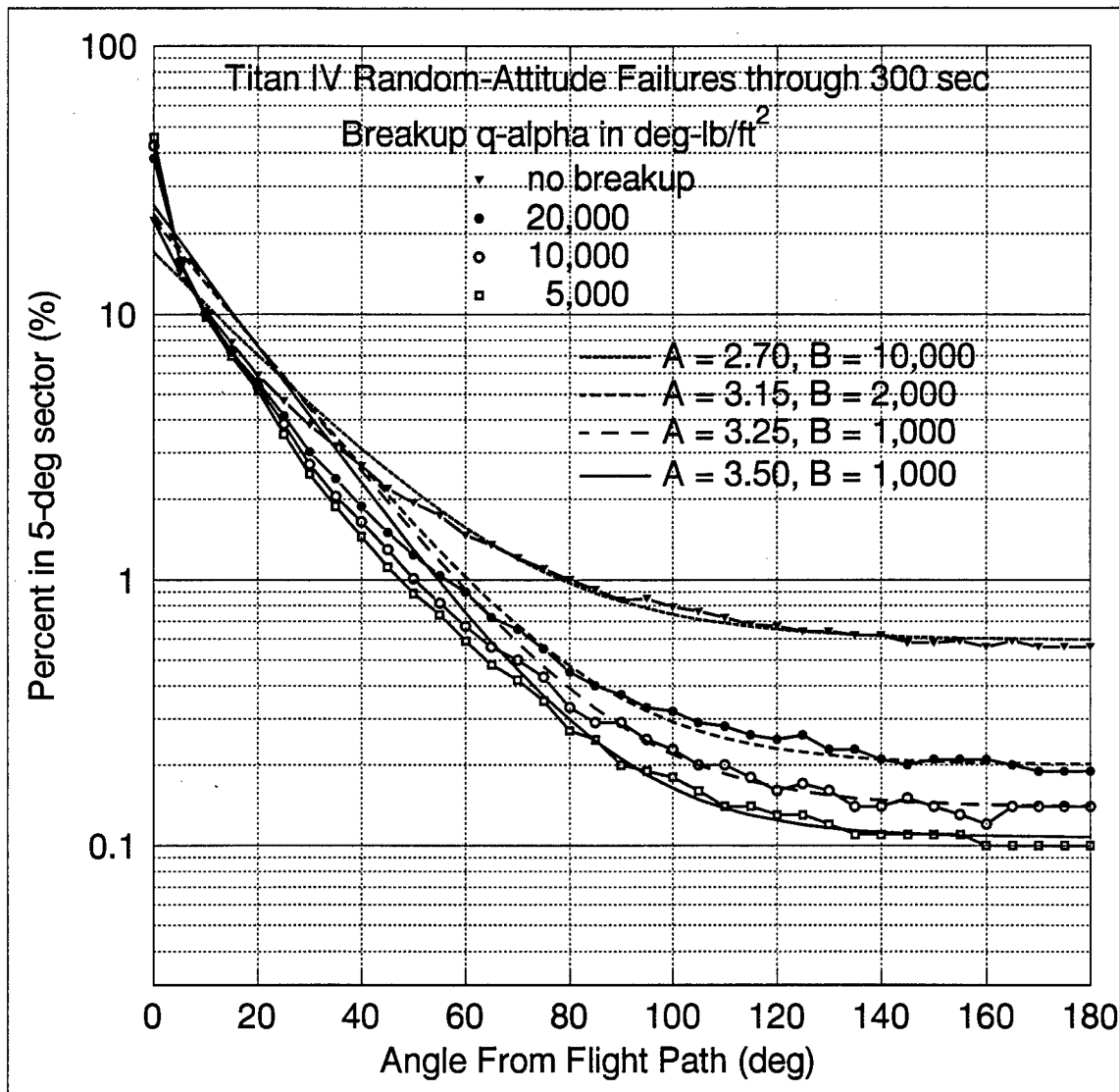


Figure 28. Titan Simulation Results with Best-Fit Shaping Constants