



Probability and Statistics in Aerospace Engineering (Paperback)

By M H Rheinfurth, L W Howell, N a S a

University Press of the Pacific, United States, 2006. Paperback. Book Condition: New. 274 x 206 mm. Language: English . Brand New Book ***** Print on Demand *****.Statistics is the science of the collection, organization, analysis, and interpretation of numerical data, especially the analysis of population characteristics by inference from sampling. In engineering work this includes such different tasks as predicting the reliability of space launch vehicles and subsystems, lifetime analysis of spacecraft system components, failure analysis, and tolerance limits. A common engineering definition of statistics states that statistics is the science of guiding decisions in the face of uncertainties. An earlier definition was statistics is the science of making decisions in the face of uncertainties, but the verb making has been moderated to guiding. Statistical procedures can vary from the drawing and assessment of a few simple graphs to carrying out very complex mathematical analysis with the use of computers; in any application, however, there is the essential underlying influence of chance. Whether some natural phenomenon is being observed or a scientific experiment is being carried out, the analysis will be statistical if it is impossible to predict the data exactly with certainty. The theory of probability had, strangely enough,...



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