



## La Petite Revue (1)

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Original publisher: Hampton, Va. : NASA Langley Research Center, 1991 OCLC Number: (OCoLC)60362636 Excerpt: . . . 13 similar situation exists with the maneuversegment for this case which has 55 measurementsabove 4o, of which 46 are positive and contained within four peaks. The probability of occurrence of values above 40 for a randomnormal distribution is only  $6 \times 10^{-5}$ , or one value in the 22, 400 measurementscompared with a total of 98 for this case. Analysis of Noise Vibration Effects The noise level on the rate gyro data is about 4 to 6 percent of the measured signal and appears to be random. However, the noise level in the accelerometer data is of the same order as the rotationally induced acceleration and frequently exceeds  $50 \times 10^{-6}$  g. Figure 21 shows the X-channel accelerometer output for an expanded time scale which depicts the variations more clearly than does figure 5. The signal does not exhibit the characteristics of random noise but rather reflects the expected orbiter structural vibration characteristics; e. g. , a composite waveform produced by several vibration sources such as motors, pumps, and directional antenna systems. A fast...



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