



Descriptio Februm Intermittentium in Genere Et Speciatim Febris Intermittentis Quotidianae, Tertianae Et Quartanae .

By -

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 60 pages. Original publisher: Hampton, Va. : National Aeronautics and Space Administration, Langley Research Center, 1990 OCLC Number: (GPO)apn1992-042706 Excerpt: . . . i. e. where $G = 2G_b - 0. G = 1 - G_A$ numerical solution to (2. 10a) using a Runge-Kutta method shows that this occurs when $7 - \dots - 1. 971510$, in which case $- . 993934$ (3. 7) The corresponding real value of ω and is obtained by integrating (3. 4) from 0 to $7 - \infty$ with an appropriate treatment at the generalised inflection point. Such a calculation predicts that the neutral value of ω and is $0. 645065$. (3. 8) However, of greater significance are the unstable eigenmodes. Figure (3. 1) illustrates the dependence of the growth rate, t , on the real wavenumber ω and β . We see that the growth rate attains its maximum value of $0. 256853$ at $\omega = 0. 143619$; further it turns out that the acoustic modes have smaller growth rates (see below) so that this is the most unstable inviscid mode for a hypersonic boundary layer. In Figure (3. 2) we show the eigenfunction of the...



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