



Aerospace Engineering On The Back Of An Envelope

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Summary : Free aerospace engineering on the back of an envelope pdf download - engineers need to acquire back-of-the-envelope survival skills to obtain rough quantitative answers to real-world problems particularly when working on projects with enormous complexity and very limited resources in the case studies treated in this book we show step-by-step examples of the physical arguments and the resulting calculations obtained using the quick-fire method we also demonstrate the estimation improvements that can be obtained through the use of more detailed physics-based back-of-the-envelope engineering models these different methods are used to obtain the solutions to a number of design and performance estimation problems arising from two of the most complex real-world engineering projects the space shuttle and the hubble space telescope satellite

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