



Airplane Design, Part II : Preliminary Configuration Design and Integration of the Propulsion System

By Jan Roskam, J. Roskam

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Airplane Design Part II: Preliminary Configuration Design and Integration of the Propulsion System familiarizes the reader with the following fundamentals: - Selection of the overall configuration - Design of cockpit and fuselage layouts - Selection and integration of the propulsion system - Class I method for wing planform design - Class I method for verifying clean airplane maximum lift coefficient and for sizing high lift devices - Class I method for empennage sizing and disposition, control surface sizing and disposition, landing gear sizing and disposition, weight and balance analysis, stability and control analysis and drag polar determination

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