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He is a co-author of Aircraft Engine Design and Elements of Propulsion: Gas Turbines and RocketsA, both winners of the AIAA Summerfield Book Award. He holds a Ph.D. in Aeronautics and Astronautics from the University of Washington.

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Using Aircraft Engine Design by John D. Mattingly as a reference, we chose an advanced level of technology (level 4) to assume efficiencies which represents typical values for the time period 2005-present. Therefore the efficiencies are at their optimum values since the latest technology is considered.

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