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Mechanics and Thermodynamics of Propulsion (2nd Edition) Chapter 2 Problem 9P. What integral property allows you to change the bounds of this integral and dy to dy/b)? If it is a substitution, why doesn't the y inside the COS(2pi*y/b) become COS(2pi*y/b^2)? Show transcribed image text. Expert Answer 100% (1 rating) in the step 2 they have changed limits of the integration and the function ...

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This set of Fluid Mechanics Multiple Choice Questions & Answers (MCQs) focuses on "Continuity Equation". 1. If a liquid enters a pipe of diameter d with a velocity v, what will it's velocity at the exit if the diameter reduces to 0.5d? a) v b) 0.5v c) 2v d) 4v View Answer. Answer: d Explanation: According to the Continuity Equation, where a represents flow area, v represents flow ...

[2.3 Control volume form of the conservation laws](#)

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The thermodynamics involved in calculating combustion temperatures are quite complicated, however, flame temperatures generally range from about 2,500 to 3,600 o C (4,500-6,500 o F). Chamber pressures can range from about 7 to 250 atmospheres. P e should be equal to the ambient pressure at which the engine will operate, more on this later.

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All his life, Millis has been running the number crazy propulsion theories, including in his 2009 book The Frontiers of Propulsion Science, which he's trying to adapt into a more mainstream ...

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