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Fluid Mechanics: Fundamentals and Applications

Fluid Mechanics: Fundamentals and Applications Third Edition Yunus A Çengel & John M Cimbala McGraw-Hill, 2013 Chapter 9 DIFFERENTIAL ANALYSIS OF FLUID FLOW PROPRIETARY AND CONFIDENTIAL This Manual is the proprietary property of The McGraw-Hill Companies, Inc ("McGraw-Hill") and protected by copyright and other state and federal laws By

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CONTINUUM MECHANICS - AND ENGINEERING APPLICATIONS

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Engineering Fluid Mechanics 9 Preface Definitions of Some Basic SI Units Mass: The kilogram is the mass of a platinum-iridium cylinder kept at Sevres in France Length: The metre is now defined as being equal to 1 650 76373 wavelengths in vacuum of the orange line emitted by the Krypton-86 atom Time: The second is defined as the fraction 1/31 556 925975 of the tropical year for 1900

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third