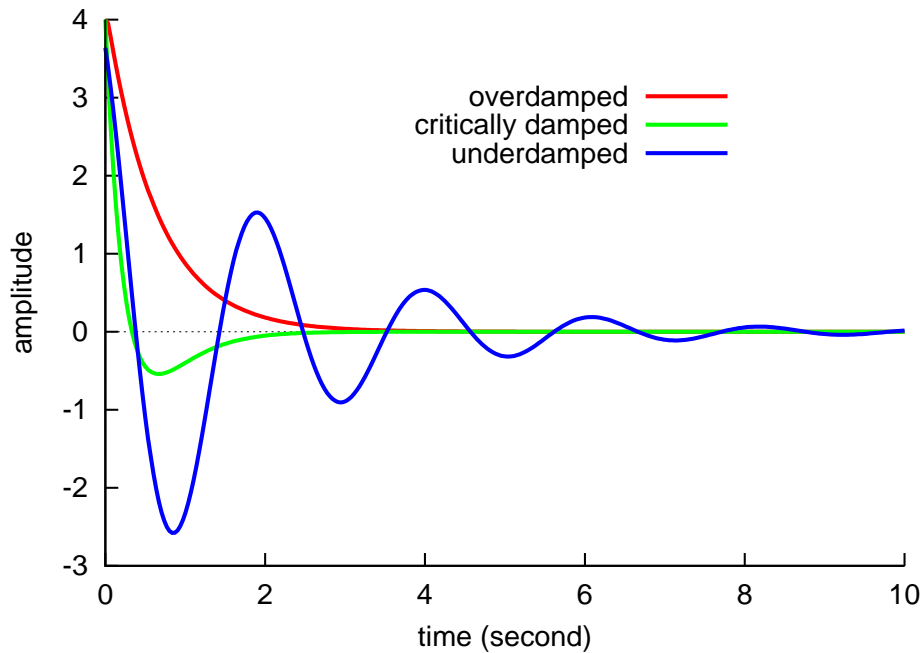


Solutions Manual

C for Engineers and Scientists

An Interpretive Approach

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Revision 1.0, March 2009

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Preface to the Instructor

These are solutions for exercises in each chapter in the textbook. These exercises reinforce concepts presented in the text. Abundant exercises are designed for teaching multiple sessions without repeating problems. The instructor is advised to look at the solutions carefully before assigning the exercises in order to determine whether the level is appropriate for the class. The degree of difficulty of these exercises varies. Some are easy whereas others are challenging even for the top students. Each chapter contains exercises asking students to find potential trouble spots and likely errors. Some exercises are related to the optional topics marked with the double dagger symbol † at the chapter, section, or subsection titles in the textbook.

A PDF file for exercises in each chapter and their corresponding solutions including programs are contained in a separate directory. The first line of each program contains its file name so that it can be found easily in the directory. Many exercises have multiple solutions with different implementations using different algorithms and flow of control. The programs presented in this solutions manual are meant to illustrate sample implementations. Some programs in these solutions manual are not as well-documented as programs presented in the textbook. Students should be advised to follow the coding style for on-line documentation of programs in the textbook.

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