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ELEMENTARY DIFFERENTIAL EQUATIONS

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primarily intended for undergraduate students of mathematics, science, or engineering, who typically take a course on differential equations during their first or second year of study. The main prerequisite for engaging with the program is a working knowledge of calculus, gained from a normal two? or three? semester course sequence or its equivalent. Some familiarity with matrices will also be helpful in the chapters on systems of differential equations.

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Historical Preliminary. 2. The Cartesian Dualism. 3. Man a Machine. 4. Subjectivism. 5. Toward Sanity, CHAPTER X MORAL VALUES 348 1 . The Moral Realm of Discourse. 2. Moral Values and Cognate Realms of Fact. 3. Postulates of the Moral Realm. 4. Problems of the Moral Realm. CHAPTER XI RELIGION 385 1. What a Philosophy of Religion Can Do. 2. Religious and Scientific World-Views. 3. Current Attempts at Compromise. 4. The Nature of Beliefw-5. The Attributes of Divinity. CHAPTER XII THE ESTHETIC EXPERIENCE 417 1 . Reductions of the Esthetic Experience. 2. The Autonomy of the Esthetic Experience. 3. The Importance of the Esthetic Experience. CHAPTER XIII THE PHILOSOPHIC ATTITUDE 446 INDEX 459 PART ONE METHOD CHAPTER I THE TASK OF PHILOSOPHY I throw my dog a piece of meat he tenses certain muscles, relaxes others, flexes his hind legs, throws his head back, suddenly opens and shuts his jaws just in time to catch the meat cleanly, takes a quick bite or two, swallows, and looks very much satisfied. I sit in an Italian church, and watch a young girl praying before the high altar, her head bowed, her hands clasped. I listen to a friend of mine telling with regret how his young son, in spite of punishments, every day leaves school at recess to take a walk in the neighboring country. I stand in an Athens twilight beside a peasant from a mountain district who has for the past half hour silently been watching the Parthenon blacken in the sunset. My eyes follow casually drops of water melting from an icicle attached to the eaves of a high roof. The icicle breaks off, and with it smaller pieces of ice and snow. They fall with increasing speed, at first together then the heavier pieces of ice outdistance the rest, and are shattered against the ground some moments before the smaller particles of snow finish their drop. In a half directed chain of reflections I begin to consider this lag in the time at which the snow reached the ground. The ice is heavier, but I know that this is no part of the explanation and I remember my surprise when I first learned that there was nothing in the nature of heavy bodies that made them drop faster than light bodies...

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