Lecture: Mathematics-2

Presented by
Phd   S. Benzerdjeb

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Preface

This manuscript is intended for first-year students in the common core curriculum preparing for a bachelor's degree in commercial, economic, and management sciences. It consists of three chapters covering the entire program of Mathematics 2 module.

The first chapter deals with solving first and second-order differential equations.

The second chapter explains fundamental and advanced concepts related to matrices. It also aims to provide readers with a thorough understanding of matrix operations and properties. It also introduces essential notions such as calculating the determinant and the inverse of a square matrix.

Finally, the last chapter describes Cramer's linear systems of equations and presents various solution methods. Additionally, non-Cramer systems are also addressed in this section.

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