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2. Numerical approximation of PDEs. Both the mathematical analysis of the PDEs and the numerical analysis of methods rely heavily on the strong tools of functional analysis. Numerical approximation of PDEs is a cornerstone of the mathematical modeling since almost all modeled real world problems fail to have analytic solutions or they are not

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Explain Gauss – Elimination method? 2. Solve the system of
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Lectures on advanced numerical analysis

The purpose of this book is to introduce and study numerical methods basic and advanced ones for scientific computing. This last refers to the implementation of

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appropriate approaches to the treatment of a scientific problem arising from physics (meteorology, pollution, etc.) or of engineering (mechanics of structures, mechanics of fluids, treatment signal, etc.).

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