**Linear Algebra**

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| **1.2.** Operations on Matrices |
| **1.3.** The Determinants of the Second and Third Orders |
| **1.4.** Properties of the Determinant |
| **1.5.** Rule by Cramer |
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| **1.7.** Solving of the Matrix Equations by Means of Inverse Matrix |
| **1.8.** Concept of Linear Dependence. Rank of the Matrix |
| 1.9. The Theorem by Kronecker-Kapelly |
| 1.10. Homogeneous Systems. Construction of the Fundamental System of Solutions |
| **1.11**. Method by Gauss (Method of Sequential Elimination of the Unknown Variables) |
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