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- No. 5. March, 1953.
- R. Takabeya**: On Economical Number of Stories for Multiple Storied Rigid Frames.
- F. Takabeya, Y. Murakami and R. Takabeya**: Stress Investigations of Rigid Frames, Considering the Effects of Bending Moments, Normal and Tangential Stresses.
- No. 6. June, 1953.
- M. Higuchi**: The Stresses in the Orthotropic Semi-Infinite Plate Due to an Rigid Bolt Pressed Against on its Edge.
- M. Higuchi**: On the Stresses Due to Pressure on the Periphery of the Hole in an Orthotropic Plate.
- T. Isibasi and T. Uryu**: Fatigue Strength of Carbon Steel Bars with Round-Crack.
- M. Ohji**: A Note on the Laminar Flow in the Inlet Length of a Circular Pipe. (*Note*).
- J. Okabe**: An Approximate Calculation of the Laminar Boundary Layer of a Flat Plate of a Constant Breadth. (*Note*).
- J. Okabe**: An Approximate Calculation of the Laminar Boundary Layer of a Flat Plate Having a Parabolic Plan Form. (*Note*).
- No. 7. September, 1953.
- S. Negoro**: On a Method of Solving Torsion and Bending Problems of Continuous Panel Structures.
- J. Okabe**: On the Motion of a Trolley-wire.
- J. Okabe**: On a Forced Lateral Vibration of a Number of Particles Attached to a String at Equal Intervals. (*Note*).
- J. Okabe**: On the Roots of the Equation
- $$\begin{vmatrix} x & 1 & 0 & \dots \\ 1 & x & 1 & 0 & \dots \\ 0 & 1 & x & 1 & 0 & \dots \\ \dots & \dots & \dots & \dots & \dots & \dots \\ \dots & \dots & \dots & \dots & 0 & 1 & x \end{vmatrix} = 0. \quad (\textit{Note}).$$
- J. Okabe**: An Illustrative Example of Solving a Sum Equation by Fourier Transforms. (*Note*).
- M. Higuchi**: Orthotropic Semi-infinite Plate with a Hole. (*Note*).