

## **An Interval Difference Method for Solving the Poisson Equation – the First Approach**

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**Abstract.** This paper presents an interval difference method (for solving the Poisson equation) based on the conventional central-difference method. Apart from remaining the Poisson equation and the central difference method, we present the interval method in full details and show some of its applications. Some conclusions and remarks on further studies are also given.

**Key words:** Poisson's equation, central-difference method, interval difference method for solving the Poisson equation