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Isom N Djuraev* (info@samuni.silk.org), 15, University bvd., Samarkand State University, Samarkand, Uzbekistan, 703004, 703004 Samarkand, Uzbekistan. *New effective method for numerical solution of Mathematical Physics Problems*. Preliminary report.

It is known that the Finite Difference Method (FDM) and Finite Element Method (FEM) are basis methods of numerical solution of Mathematical Physics Problems. Although indicated methods differ via principle of construction and investigation according discrete scheme idea basis these methods equally. In present message are accounted absolutely new approach to numerical solution of MPP. Principle of construction and idea basis of this method differ from FDM and FEM. New method are demonstrated on example boundary inverse problems (uncorrect) for heat conductivity and simplest hyperbolic equations. Results brought of numerical experiments on PC are shown effectivity and absolutely stability of accounted method. Analogous result rightly even for another manydimensional MPP and also for nonlinear problems (Received September 12, 2000)