

# COMPUTER SIMULATION FOR THE UNSTEADY FLOW IN A TURBOCOMPRESSOR OF SUPERCHARGER UNITS WITH FREE ROTATION OF SUPERCHARGED DIESEL ENGINES

**Assistant Professor Salvadore Mugurel BURCIU**

"Dunărea de Jos" University of Galati, Roumania, Internal Combustion Engines Department

**Professor Engineer Manuela BURCIU**

Technical College "Traian Vuia" of Galati, Roumania

## ABSTRACT

*The paper deals with the mathematical model and computer programme which permits to simulate the unsteady flow in a turbocompressor of supercharger units with free rotation VTR - 200R, of supercharged Diesel engines MB836 Db. The computer programme which use the Phoenix software procedures and personal procedures permits to simulate the unsteady flow in case of the geometry considered. The paper contains some results, obtained in complex 3D geometry considered (impeller).*

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