MODEL AND COMPUTER PROGRAMME FOR STUDY THE IN COMMON WORKING CONDITIONS OF INTERNAL COMBUSTION ENGINE AND HYDRAULIC CONVERTER IN CASE OF CONTINUOUSLY VARIABLE TRANSMISSION

Dr. Eng. **Salvadore Mugurel BURCIU**
"Dunărea de Jos " University of Galatzi , Faculty of Mechanical Engineering ,
Department of Internal Combustion Engines
email: Mugurel.Burciu@ugal.ro

ABSTRACT

The paper deals with the mathematical model of the in common unsteady and steady working conditions of hydraulic converter and internal combustion engine . For the unsteady and steady in common working conditions , the recommended system of differential equations is possible to solve using numerical methods and permits to find the unknown variables which are displacement speed , angular speed of hydraulic pump and ratio of change , depending on known parameters and time . Paper contains some graphic results which were obtained for a numerical case .

REFERENCES

[1] **Burciu S.M**. , Acţionări cu motoare cu ardere internă , Editura Bren , Bucureşti 2003.
[2] **Ciolan Ghe. , Preda I. , Pereş Ghe.** , Cutii de viteze pentru automobile , Ed. Didactică şi Pedagogică , Bucureşti 1989 .