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THE FLUID FLOW CALCULATIONS IN A COMPLICATED COMBUSTION CHAMBER GEOMETRY OF I.C. ENGINES

In this article the logic and some possibilities of the computer code entitled KIVA-II are presented. The source version of this code is written for CRAY computers and therefore requires modifications to be run on other machines. Some initial results concerning fluid flow calculations in various combustion chambers of i. c. engines are presented as well.

Key words: fluid flow, combustion chamber, i. c. engine, computer programme KIVA - II

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SRAČUNAVANJE STRUJNOG POLJA U KOMPLIKOVANOJ GEOMETRIJI KOMORE ZA SAGOREVANJE MOTORA SUS

U radu je prezentirana logika i neke mogućnosti zatvorene verzije kompjuterskog programa sa akronimom KIVA-II (Los Alamos Scientific Laboratory). Program, izvorno napisan za CRAY računare je u velikoj meri modifikovan kako i mogao da se koristi na Hewlett Packard računarima. Prezentirani su neki inicijalni rezultati sračunavanja strujnog polja u različitim geometrijama komora za sagorevanje.

Ključne reči: strujno polje, komora za sagorevanje, motor SUS, kompjuterski program KIVA - II

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