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Computer modeling of real heat exchangers for heat and nuclear power plant A possibility for a cleaner transport: Non-thermal plasma technology

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The description of Visual C#-program of the calculation of static and dynamic characteristics of heat transfer surfaces is discussed. The program provides the possibility of using models with distributed or lumped parameters with respect to various real surfaces TPP and NPP - convective phase heat transfer, convection with external coolant on the saturation line and radiation. The program is focused on the performance of laboratory and course work of the educational process, but can be used by engineers and researchers.

Biography

Nguyen T S had finished Bachelor's in Mathematics in Ha Noi, Republic Viet Nam. Now, he is a second year student of Master's degree and is an author of 7 publications. His research interests are programming on Microsoft Visual C#, computer modeling, optimal control algorithms, and mathematics.

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