

## ON THE POSSIBILITY OF NANOFLUIDS USING AS A COOLANT

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Heat-transfer properties of “water - nanofluids” liquid system, which contains high-purity single-walled nanotubes SWCNTs, have been investigated. It was found that the relation of heat conductivity factor between the nano-structuring liquid and the classical one has linear dependency in concentration range of  $C = 0 \div 0.3$  mg/l. We propose the possibility of nanofluids using as a coolant, based on the performed experiment.

*Keywords:* nanofluids, single-walled nanotubes, heat conductivity, coolant.