



**THE EFFECT OF NANOPARTICLE SIZE PRESENCE IN
THERMOPHYSICAL PROPERTIES CORRELATIONS
ON THE HYDROTHERMAL PERFORMANCE OF
HYBRID NANOFLUID FLOWING INSIDE
A MICROCHANNEL**

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Abstract

Forced convection heat transfer through a double-layered microchannel heat sink has been numerically simulated using computational fluid dynamic method by ANSYS-fluent 2021 R2 software. The three main aspects have been studied. Different channel geometries have been investigated under the same boundary

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