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is Specific heat of nano fluids [J/Kg 0k],  $C_f$  is Specific heat of base fluids [J/Kg 0k], and  $C_p$  is the Specific  
heat of nanoparticles [J/Kg0K]. 4.3 Experimental Data Analysis The rate of heat transfer in this radiator from  
the hot water to the air is determined from an energy balance on water flow,  $Q = [mC_p [T_{in} - T_{out}]]_{water}$

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based microchannel heat sink fabricated using semiconductor production technique plays an important role in  
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Experimental Study of Fluid Flow and Heat Transfer Characteristics of Rough Surface, Impinged by a Confined Laminar Slot Air Jet M. Adimurthy<sup>1</sup>, , <sup>1</sup>Associate professor, Department of Automobile Engineering,

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glycol. Thermal conductivity and heat transfer of nanofluids are studied by varying the proportion of nanoparticles and volume concentration of base fluids. Then the best nanofluid is compared with maximum desirable properties. Using Infrared Thermography (IRT), the thermal conductivity, heat transfer, Wetting angle, drop radius and surface drying of substrates are studied.

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