

283. NANO FLUIDS ITS THERMAL APPLICATIONS

Anutsek sharma , Bineesh madhu, M.E
UG Scholar , Assistant professor

Department of mechanical engineering SRM University, Chennai, Tamil Nadu
anutseks@gmail.com

In today's trend of enhancement and development in field of science & technology, Technology and design of automobiles is evolving to a new state, previously normal machines and mechanisms were used but today we use hydraulics and pneumatics ,which increases the ease working and increases efficiency of vehicle . My topic of research is related to fluid (hydraulics) and thermal exchange in radiator in automobiles .Basically water was used in past as a coolant around engine which is send by radiator ,after that some different variety of oils and mixture of oil and water was used ,however it cools the engine but itself get hot and takes time to get cool .but if a very new variety of fluid called as nanofluid is used instead of all other fluid stuff a lot of heat can be evolved , transformed ,also cooling occurs gradually.

Keywords: Nanofluids, Thermal Properties, Applications, Efficiency comparison.

Journal of Science and Innovative Engineering & Technology