Table 1: Thermophysical properties of nanoparticles (  $Al_2O_3$ , Cu, and  $TiO_2$ ) and base fluid ( $C_2H_6O_2$ )

Physical	$C_2H_6O_2$	$Al_2O_3$	Си	$TiO_2$
Properties				
ρ	1115	3970	8933	4250
$C_p$	2430	765	385	686.2
К	0.253	40	400	8.9538
σ	0.107	$3.5 \times 10^{7}$	$5.96 \times 10^{7}$	$1.0 \times 10^{-12}$