

Sen-Banerjee (S_B) Number as a Unified Scaling Parameter for Deviant Density Enhancement in Nanofluids

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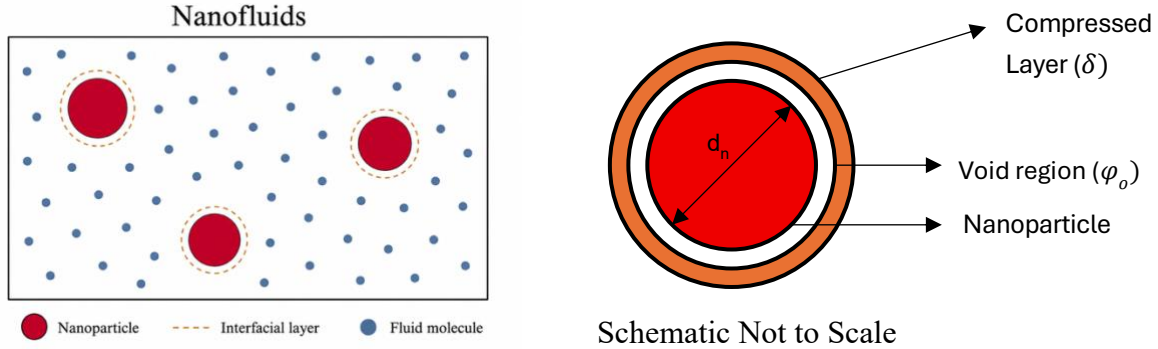


Figure 1. Formation of an interfacial compressed phase and Nano-Fin effect around nanoparticles in nanofluids

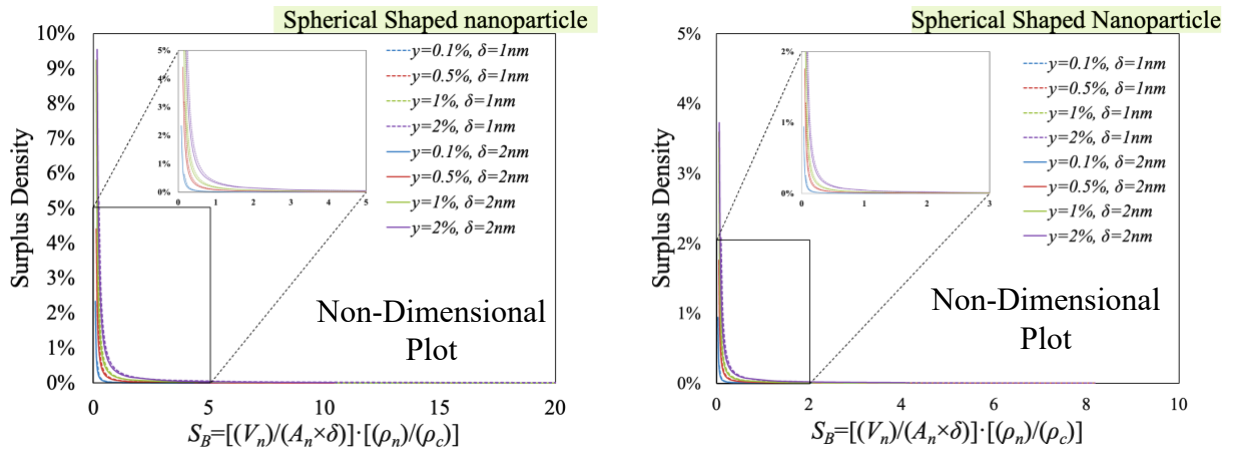


Figure 2. Collapsed Surplus-Density Trends with Sen-Banerjee (S_B) Number for representative nanofluid systems, where y denotes nanoparticle mass fraction, for (a) molten-salt nanofluids (MSNF) and (b) poly-alpha-olefin (PAO) nanofluids.