Density studies on the isotropic to smectic-F transition in higher homologues of \(N-(p-n\text{-alkoxybenzylidene})-p-n\text{-decylanilines (nO.10)}\) mesomorphic compounds with \(n = 13, 14\) and 15 and corresponding studies on thermal expansion coefficient maxima confirm the first order nature of this transition. The density shows strong pretransitional fluctuations, which are estimated by \(\alpha_{\text{eff}}\) in the vicinity of the mesomorphic fluctuation dominated non-linear region (FDNLR) of this phase transition. The growth of the density fluctuations across this transition is discussed in the light of data on the same transition in other compounds.

**Key words:** Orientational Order; Density; Smectic-F.