

Polymesomorphism in N-(*p-n*-Alkoxybenzylidene)-*p-n*-Alkylanilines (*nO.m*) Compounds

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The polymesomorphism exhibited by the famous benzylidene aniline homologues, N-(*p-n*-alkoxybenzylidene)-*p-n*-alkylanilines (*nO.m*'s) is presented from the systematic studies carried on these compounds at the centre. The salient features observed are listed. The importance of alkoxy chain length over the alkyl chain in the manifestation of smectic polymorphism in higher homologues of these materials is also discussed.

Key words: *nO.m*'s; Smectic Polymorphism; Alkoxy Chain; Phase Variants.