

UNIT-4 >>CURRENT MIRROR AND OP-AMP DESIGN

CLASS>>II_{ND} YEAR, IV SEM

SUBJECT-ANALOG CIRCUITS

PAPER-CODE>>BT-402

LECTURE-NO>>2.11

TOPIC>>CLASS(A,B,AB,C)Linearity issues

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LINEARITY ISSUES OF CLASS B:-

**1.The linearity issues of the class B shown in
fig**

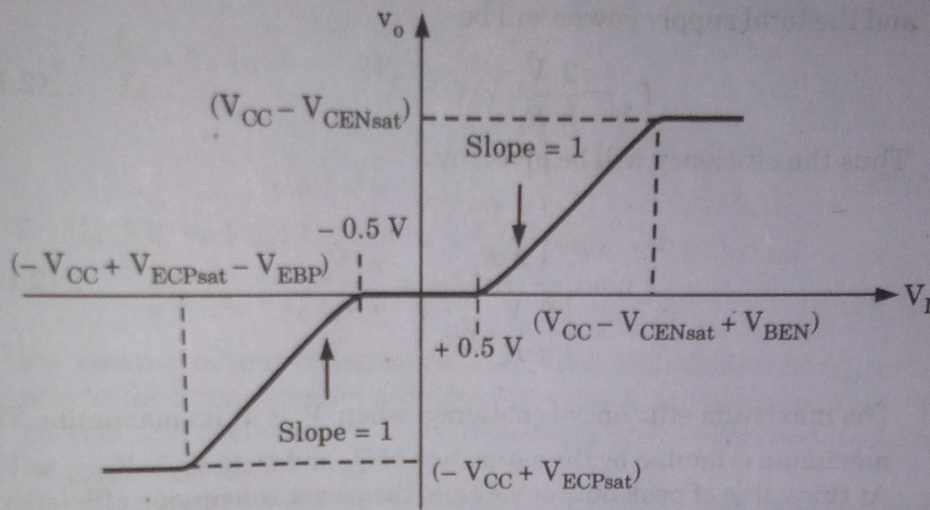


Fig. 2.11.2. Transfer characteristic for the class B output stage.

2. There exists a range of v_i centered around zero where both transistors are cut off and v_o is zero. This dead band results in the crossover distortion.
3. The effect of crossover distortion will be most pronounced when the amplitude of the input signal is small.
4. Crossover distortion in audio power amplifiers gives rise to unpleasant sounds.