2.6 Large Signal Operation

Reading **Assignment**: 94-98

Recall that "real" amplifiers are only approximately linear!

If the input signal becomes too large, and/or the input signal changes too quickly, we begin to see some very non-linear behavior.

➔ Non-linear behavior leads to a **distorted** ouput.

In other words, the output does not look like a copy of the input!

(A grotesque example of distortion)

The input signal cannot be **too big**:

HO: OUTPUT VOLTAGE SATURATION

The input signal cannot change **too fast**:

HO:SLEW RATE

The input signal certainly cannot be too be **and** change too fast!

HO: FULL POWER BANDWIDTH