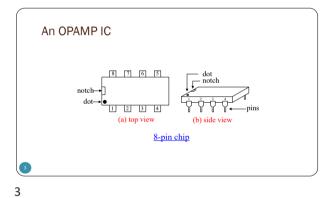


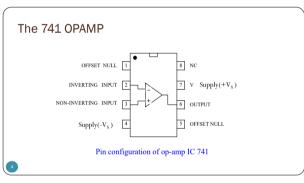
An OPAMP is...

• An Integrated Circuit (IC) Voltage amplifier with two differential inputs and a single output

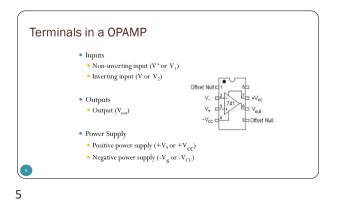
• A very popular Building block in designing Electronic Circuits.

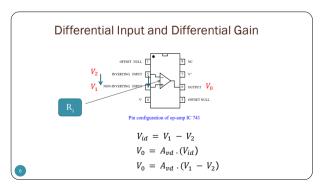
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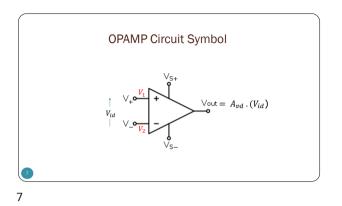
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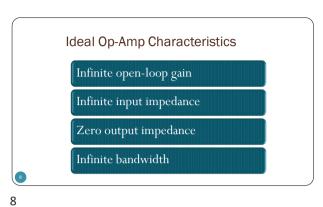


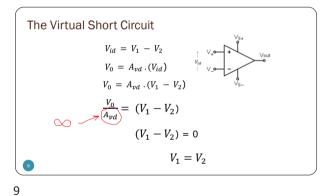


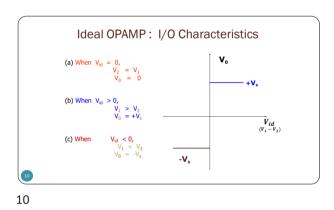
6

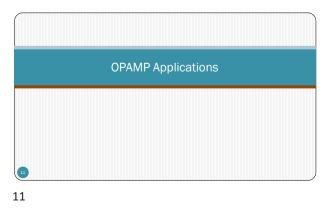
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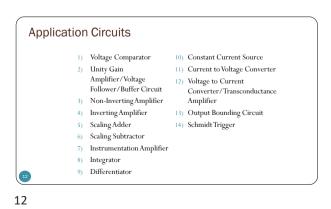




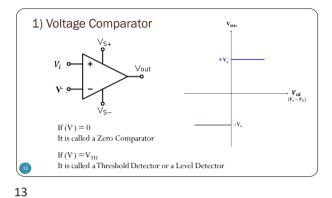


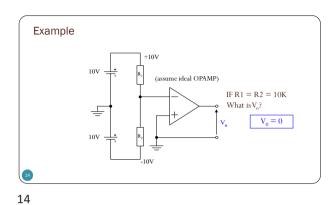






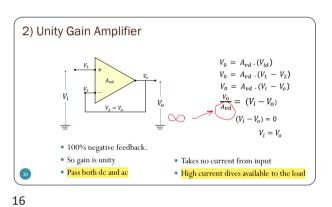
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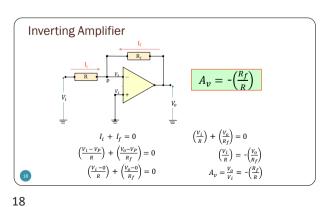
Example (Cont.)

When light falls on the LDR, the LED turns off. V_1 V_2 V_3 V_4 V_4 V_5 V_8 V_8



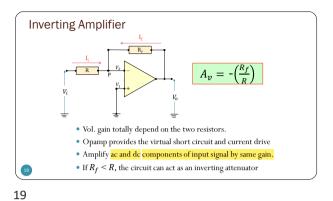
3) Inverting Amplifier $V_1 = V_2 = 0$ $V_P = 0$

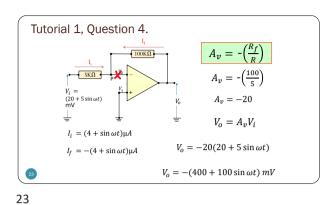
17



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Lecture Presentation Slides