

of quadrants

each quadrant is
new for 1973

Seth

ECEN ¹⁵⁰106-02 with Brother Jack (Winter 20/3)

Seth

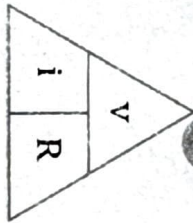
CES Honor Code

Bryham Young University-Idaho (BYU-Idaho) and other Church Educational System institutions exist to provide an education in an atmosphere consistent with the ideals and principles of The Church of Jesus Christ of Latter-day Saints. That atmosphere is created and preserved by a community of faculty, administration, staff, and students who voluntarily commit to conduct their lives in accordance with the principles of the gospel of Jesus Christ and who strive to maintain the highest standards in their personal conduct regarding honor, integrity, morality, and consideration of others. By accepting appointment, continuing in employment, being admitted, or continuing class enrollment, each member of the BYU-Idaho community personally commits to observe these Honor Code standards approved by the Board of Trustees "at all times and in all things, and in all places" (Moshiah 18:9):

- Be honest
- Live a chaste and virtuous life, including abstaining from any sexual relations outside a marriage between a man and a woman.
- Respect others, including the avoidance of profane and vulgar language. Obey the law and follow campus policies.
- Abstain from alcoholic beverages, tobacco, tea, coffee, vaping, and substance abuse.
- Participate regularly in Church services (required only of Church members).
- Observe BYU-Idaho's dress and grooming standards.
- Encourage others in their commitment to comply with the Honor Code.

Ohm's Law

$$V = iR$$



$$R = \frac{V}{i}$$

$$i = \frac{V}{R}$$

Resistors

Resistors in parallel

$$R_1 || R_2$$

$$R_{eq} = \frac{R_1 R_2}{R_1 + R_2}$$

$$R_{eq} = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} + \dots + \frac{1}{R_n}}$$

Resistors in Series

$$R_{eq} = R_1 + R_2 + R_3 + \dots + R_n$$

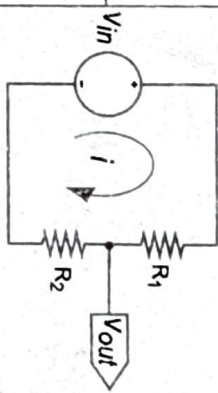
DC Power

$$P = Vi = i^2 R = V^2 / R$$

Units

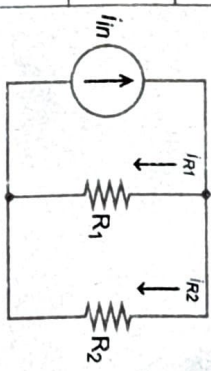
- Charge → Coulomb (C)
- Resistance → Ohms (Ω)
- Current → Amperes (A)
- Voltage → Volts (V)
- Power → Watts (W)
- Energy → Joules (J)

Voltage Divider



$$V_{out} = V_{in} \left(\frac{R_2}{R_1 + R_2} \right)$$

Current Divider



$$i_{R_1} = i_{in} \left(\frac{R_2}{R_1 + R_2} \right)$$

$$i_{R_2} = i_{in} \left(\frac{R_1}{R_1 + R_2} \right)$$

Created by G. Ikpaetuk and D. Agbezukwu



TAU BETA PI

"It gives me the giggles."

Group 2 Lab 2 during lab 4

"By golly gum drops!" - Jason