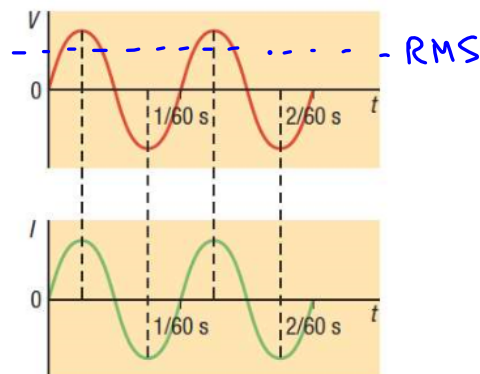


SPH3U 13.3 Alternating Current**1. Alternating current**

AC	Continuous current:	can't move a magnet in the same direction forever.
	solution	have the magnet move back and forth.
	Alternating current:	electric current that reverses direction periodically.
	DC vs. AC:	Thomas Edison built a DC power grid in 1882. Nikola Tesla built an AC power grid in 1896. AC is better (less problems), and won out.
	Canada's electricity:	AC, 60 Hz, 120/240 V, 50-200 A (for homes).
	RMS voltage:	"root mean squared", the effective voltage (<u>not</u> maximum).



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