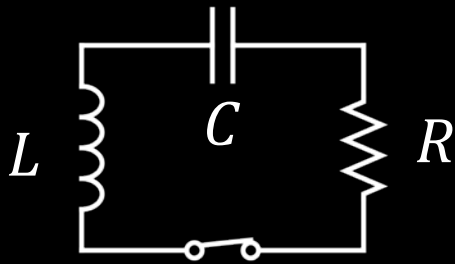




Mes	Dia		Guia
	Enero	Lunes	31
Febrero	Miercoles	2	
	Viernes	4	
	Lunes	7	Medios Materiales E
	Miercoles	9	
	Viernes	11	Circuitos CC
	Lunes	14	
	Miercoles	16	Repaso
	Viernes	18	
	Lunes	21	Primer Parcial
	Miercoles	23	Magnetostática
	Viernes	25	
	Lunes	28	Medios Materiales E y Faraday
Marzo	Miercoles	2	
	Viernes	4	Circuitos CA
	Lunes	7	
	Miercoles	9	Repaso
	Viernes	11	
	Lunes	14	Segundo Parcial
	Miercoles	16	Clase Final
	Viernes	18	Recu Primer



$$V_L + V_R + V_C = 0$$

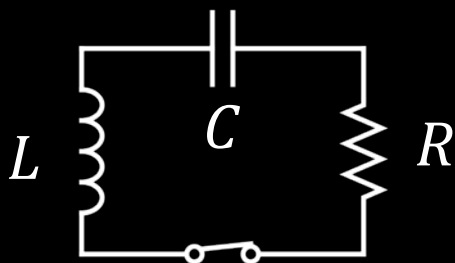
$$\frac{dV_L}{dt} + \frac{dV_R}{dt} + \frac{dV_C}{dt} = 0$$

$$L \frac{d^2 I}{dt^2} + R \frac{dI}{dt} + \frac{I}{C} = 0$$

$$V_L = L \frac{dI}{dt}$$

$$I = C \frac{dV_C}{dt}$$

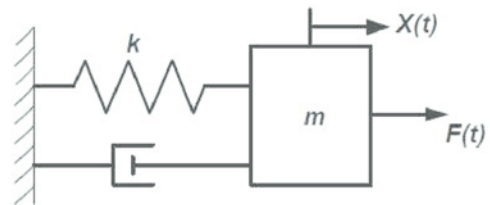
$$V_R = I R$$



$$V_L + V_R + V_C = 0$$

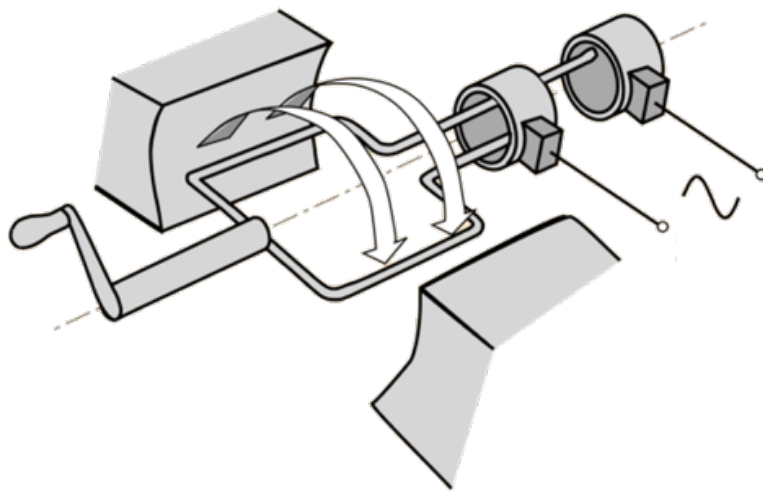
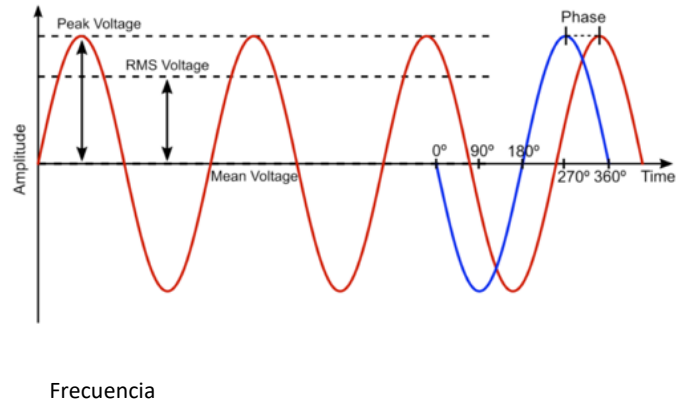
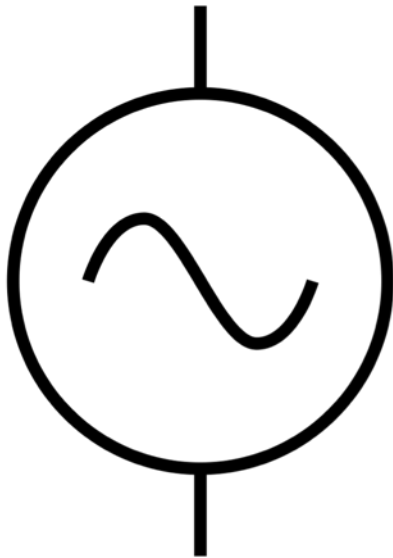
$$\frac{dV_L}{dt} + \frac{dV_R}{dt} + \frac{dV_C}{dt} = 0$$

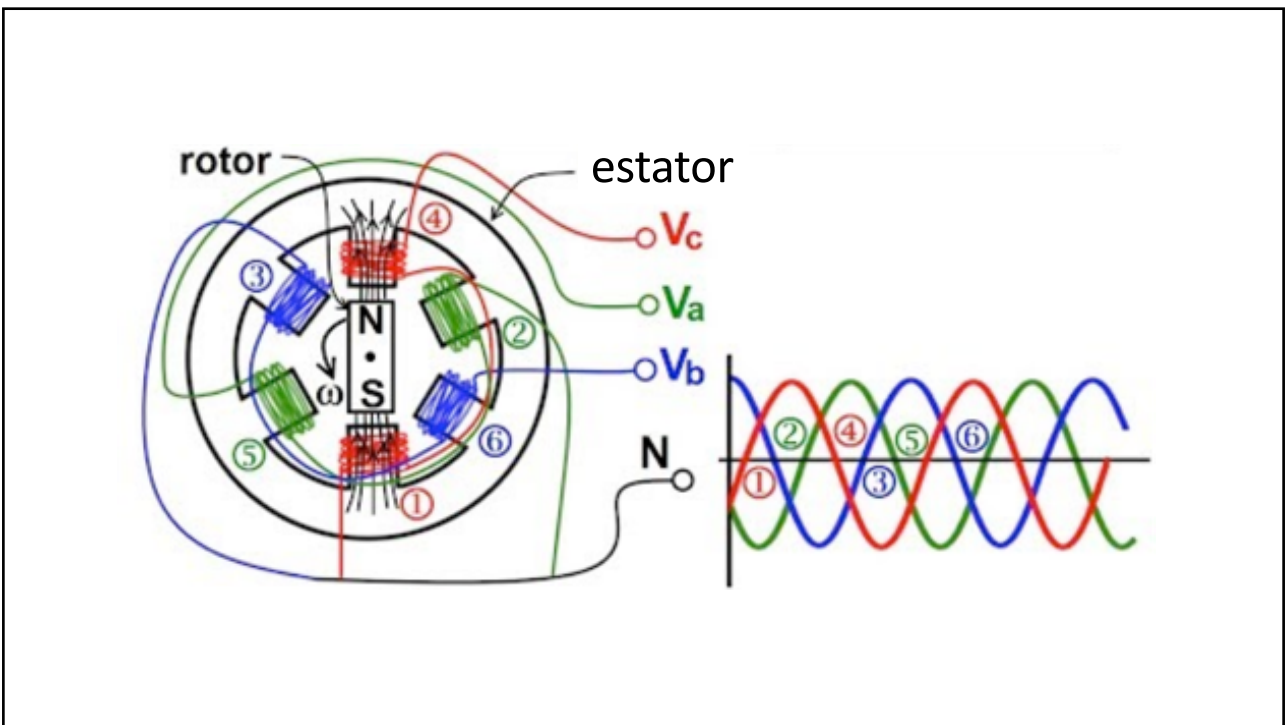
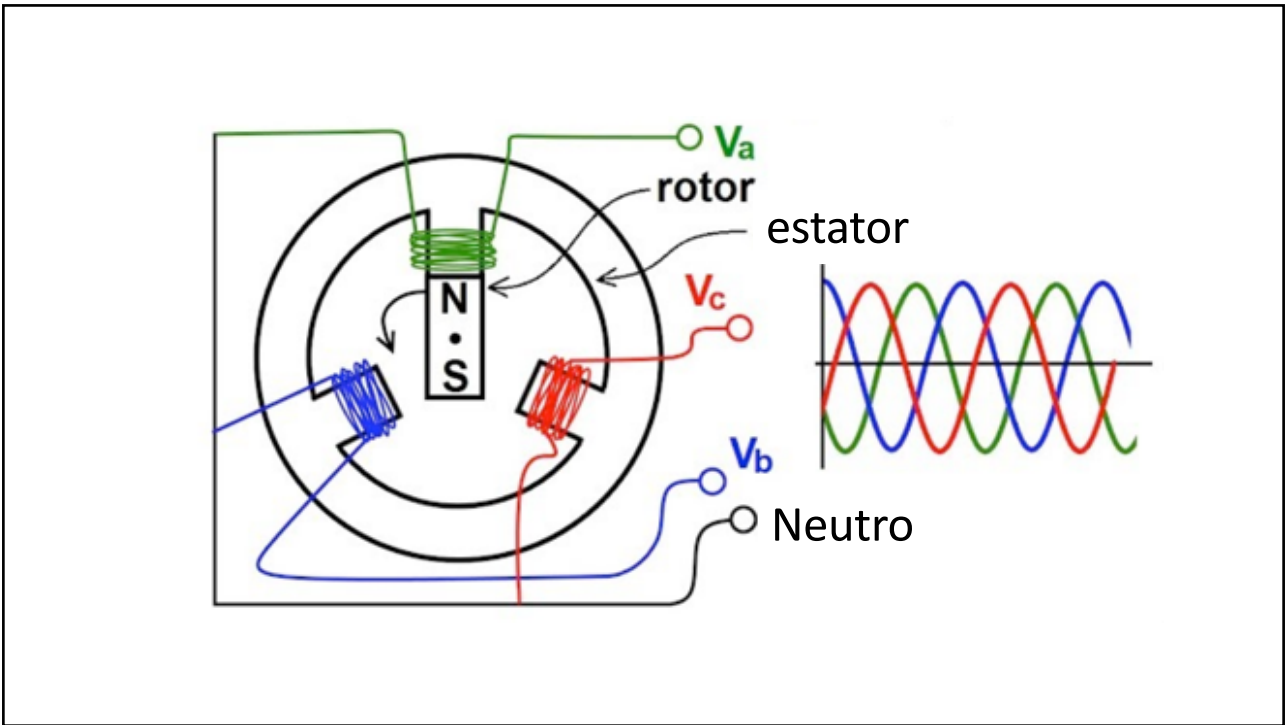
$$L \frac{d^2 I}{dt^2} + R \frac{dI}{dt} + \frac{I}{C} = 0$$



$$m \frac{d^2 x}{dt^2} + \gamma \frac{dx}{dt} + kx = 0$$

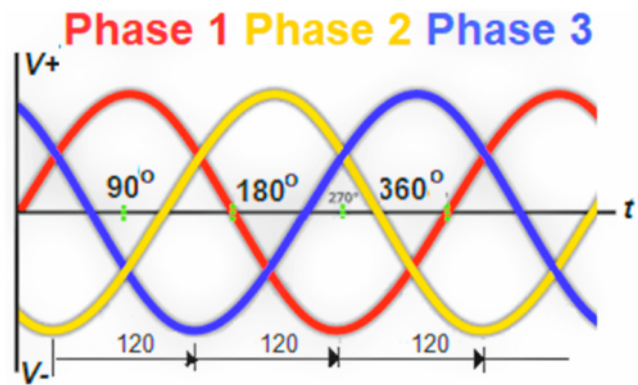
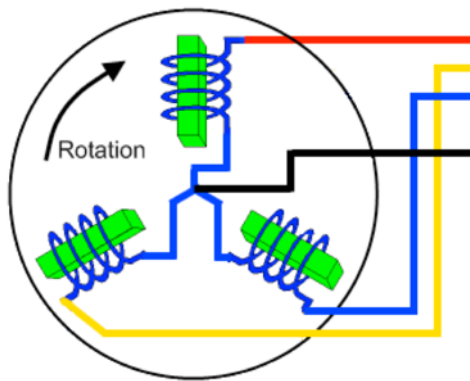
# Fuentes de corriente alterna



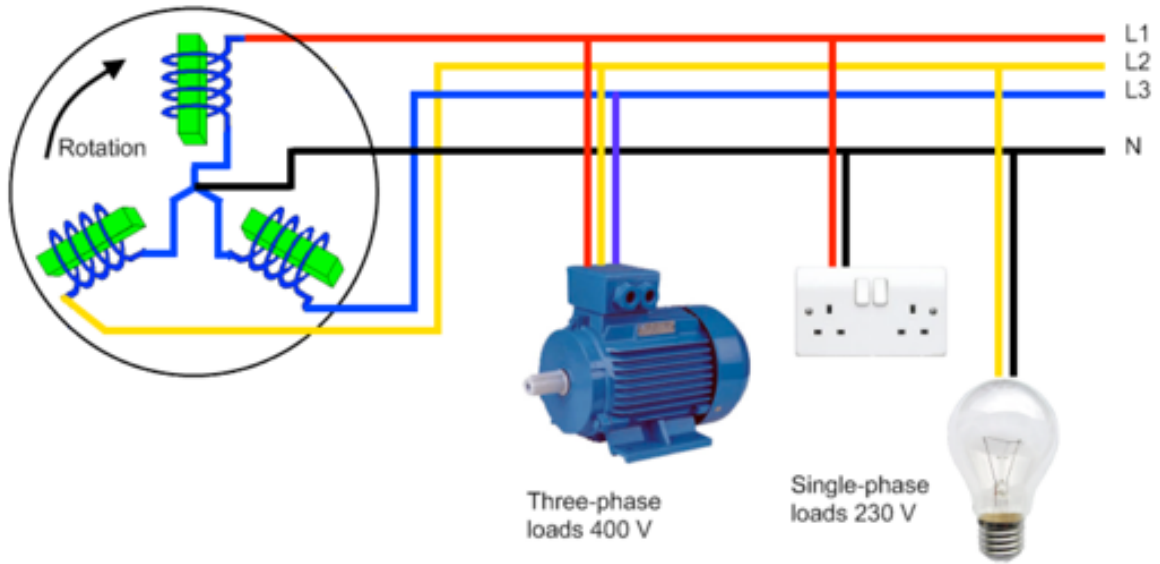


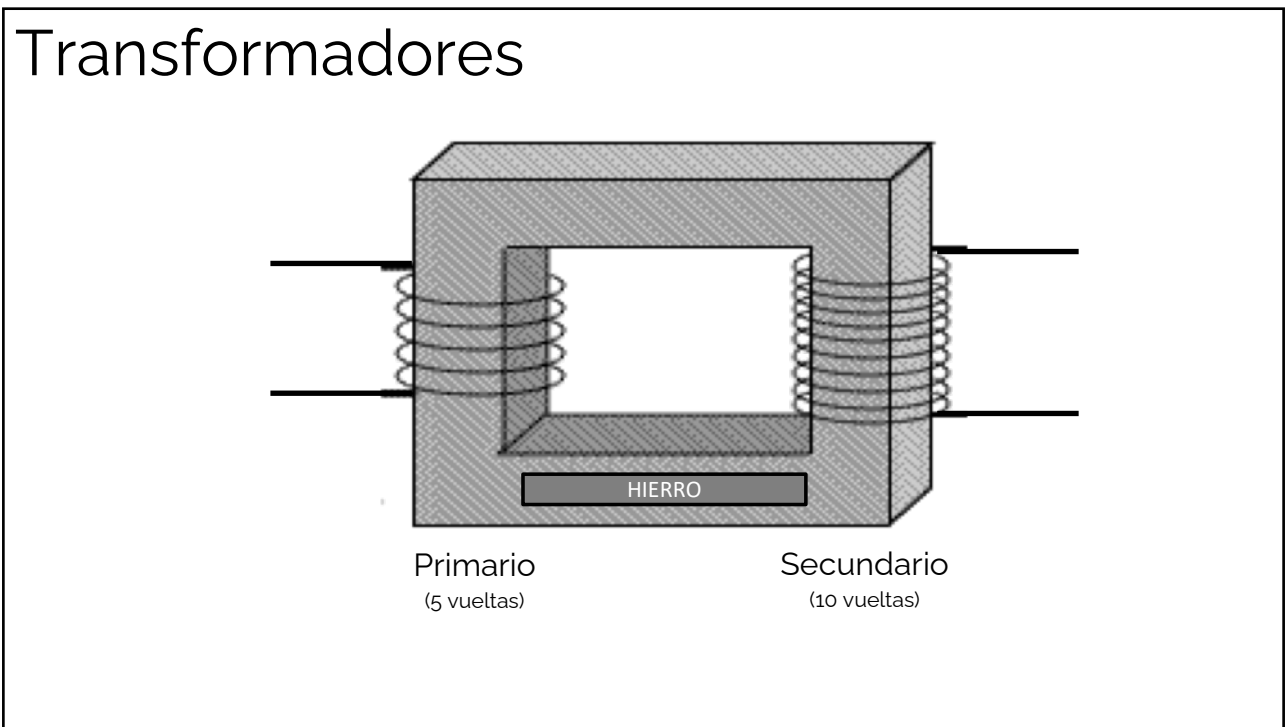
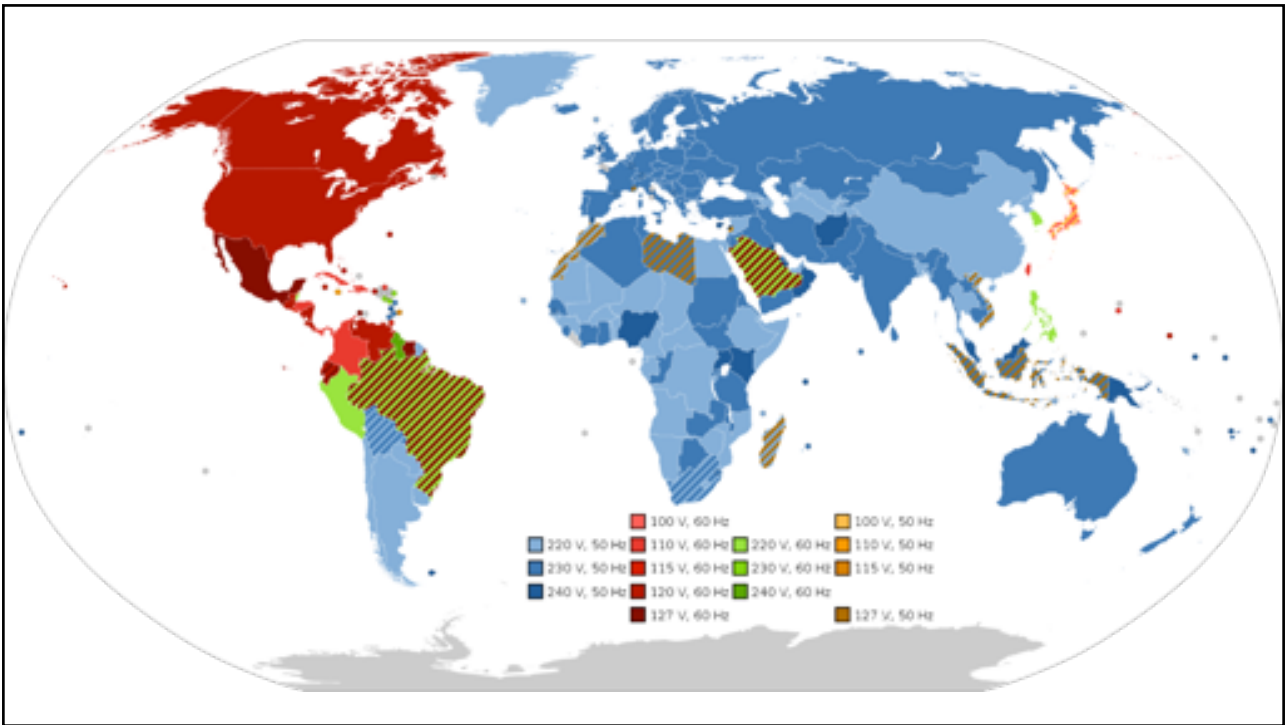


## Fuentes de corriente alterna: trifásica



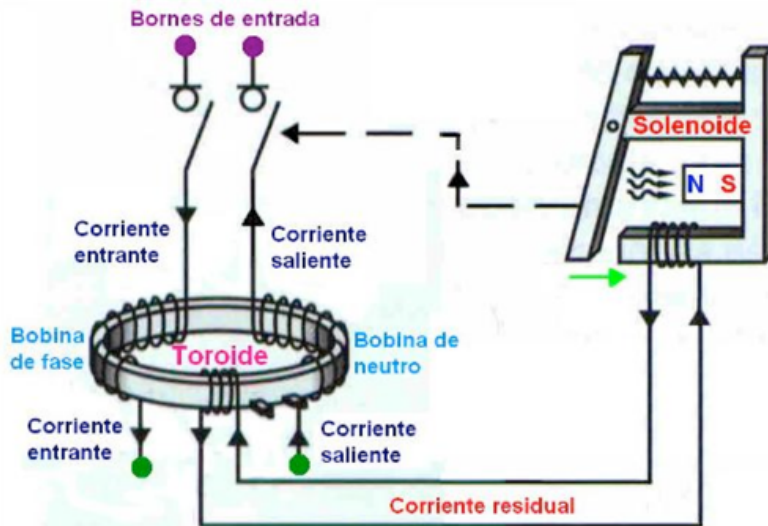
# Fuentes de corriente alterna: trifásica





# Aplicaciones

## Disyuntor diferencial



## Llaves termomagnética



Interrumpe ante un **cortocircuito**

- Combina dos mecanismos
- Rápido (electroimán)
  - Lento (bimetal/efecto joule)

"Protege los **artefactos**"



## Disyuntor diferencial



Interrumpe ante una **fuga**

Mide la diferencia de corriente entre vivo y neutro usando un electroimán.

"Protege las **personas**"

