PHYSICS Induction

	o in Italy - Volt	taic Cell / - current produces magnetisi	
	o in Denmark -	- current produces magnetisi	n
	o in England – in USA – elec	tromagnet, then induced cur	rent, therefore
T			
TUC	duction: voltage is induced by ductor and a magnetic field.	between a	
	inuctor and a magnetic neid. imples: credit card, traffic light, tape reco	rder metal detectors	
LAG	imples. Credit Card, traine light, tape reco	idei, illetai detectors.	
Tw	o of the most important laws in Ph	ysics:	N
	Law: An electric fie	ld is created in any region	
of s	space in which a magnetic field is changin		
of t	he induced electric field is proportional to	the rate at which the	
ma	gnetic field changes. The direction of the i	induced electric field is at	
rigł	nt angles to the changing magnetic field.		Electric current is induced when either a magnetic
	Law: A magnetic fic	eld is created in any region	field moves near a wire or the wire moves relative to the magnetic field.
of s	space in which an electric field is changing	with time. The magnitude	
of t	the induced magnetic field is proportional	to the rate at which the elec	tric field changes. The direction o
the	induced magnetic field is at right angles	to the changing electric field.	•
Ber It's gen	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way	eshoe magnet, than oscillations. This naturally makes AC c	
Ber It's gen one	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way	eshoe magnet, than oscillati ils. This naturally makes AC o around.	surrent because the coil generates
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Ber It's gen one	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way cola Tesla Tesla built, One design — the	eshoe magnet, than oscillations. This naturally makes AC of around.	urrent because the coil generates that are still in use toda ith bundles of copper wire that
Bei It's gen one	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way cola Tesla Tesla built, One design – the u would spin within strong magnetic fie	eshoe magnet, than oscillations. This naturally makes AC of around. , and uses an iron core wrapped with the stream or water turbing.	that are still in use toda the bundles of copper wire that away wire that a would cause the spinning.
Bei It's gen one	tter Generators s more efficient to spin a coil within a hors nerators often coi e direction for 180, then the the other way cola Tesla Tesla built, One design — the o would spin within strong magnetic fie The (MHD) h	eshoe magnet, than oscillating ils. This naturally makes AC of around. , and uses an iron core wrapped with the core with the c	that are still in use toda the bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive
Bei It's gen one	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way cola Tesla Tesla built, One design – the would spin within strong magnetic fie The (MHD) he squirts a hot plasma of electrons and	eshoe magnet, than oscillating ils. This naturally makes AC of around. , and uses an iron core wrapped wields. A steam or water turbing ttp://en.wikipedia.org/wiki/positive ions through a magn	that are still in use toda the bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive the spinning that the spinning.
Bei It's gen one	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way cola Tesla Tesla built, One design – the would spin within strong magnetic field the (MHD) he squirts a hot plasma of electrons and can run at high temperatures and the	eshoe magnet, than oscillating its. This naturally makes AC or around. , and, and, and elds. A steam or water turbing ttp://en.wikipedia.org/wiki/positive ions through a magnerefore doesn't lose much energials.	that are still in use toda the bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive the spince of the spinning.
Bei It's gen one	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way cola Tesla Tesla built, One design – the would spin within strong magnetic fie The (MHD) he squirts a hot plasma of electrons and	eshoe magnet, than oscillations. This naturally makes AC of around. , and, and	that are still in use toda the bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive the spince of the spinning.
Ber It's gen one Nil	tter Generators more efficient to spin a coil within a hors nerators often coi direction for 180, then the the other way cola Tesla Tesla built, One design – the would spin within strong magnetic fie The (MHD) he squirts a hot plasma of electrons and can run at high temperatures and the The is a tune frequency of a circuit to optimize volt	eshoe magnet, than oscillations. This naturally makes AC of around. , and, and	that are still in use toda the bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive the spince of the spinning.
Ber It's gen one Nil	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillating its. This naturally makes AC or around. , and, and	that are still in use toda ith bundles of copper wire that e would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. ergy. make best use of the resonant
Ber It's gen one Nil	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillations. This naturally makes AC of around. , and uses an iron core wrapped wields. A steam or water turbing ttp://en.wikipedia.org/wiki/positive ions through a magner of doesn't lose much ened transformer. It is tuned to age.	that are still in use toda ith bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. Ergy. make best use of the resonant
Ber It's gen one Nil	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillations. This naturally makes AC of around. , and, and, and, and, around. , and, and, and, and, and, around. Lids. A steam or water turbine ttp://en.wikipedia.org/wiki/positive ions through a magnefore doesn't lose much ened transformer. It is tuned to age. Inster of energy. Put current in the second. This magnetic field.	that are still in use toda ith bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. Ergy. make best use of the resonant
Ber It's gen one Nil	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillating its. This naturally makes AC of around. , and, and, and, and, are seen iron core wrapped with the steam or water turbing the steam or water turbing the second. This magnetic field to cause induction. These ca	that are still in use toda ith bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. The magnetohydrodynamic into the first coil. The magnetic field generates current in second coin be changes in: direction or
Ber It's gen one Nik	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillating its. This naturally makes AC or around.	that are still in use toda ith bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. The magnetohydrodynamic into the first coil. The magnetic field generates current in second coin be changes in: direction or
Ber It's gen one Nik	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillating its. This naturally makes AC or around.	that are still in use toda ith bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. The magnetohydrodynamic into the first coil. The magnetic field generates current in second coin be changes in: direction or
Ber It's gen one Nik	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillating its. This naturally makes AC of a around. , and, and, and, and, and, around. , and, and, and, and, and, around. Eds. A steam or water turbing ttp://en.wikipedia.org/wiki/positive ions through a magnrefore doesn't lose much ened transformer. It is tuned to age. Insfer of energy. Put current in the second. This magnetic field to cause induction. These case is with AC, on/off, rotation, yoltages of the two coils:	that are still in use toda ith bundles of copper wire that would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. The magnetohydrodynamic into the first coil. The magnetic field generates current in second coin be changes in: direction or
Ber It's gen one Nik	tter Generators more efficient to spin a coil within a hors nerators often	eshoe magnet, than oscillating its. This naturally makes AC of around.	that are still in use toda ith bundles of copper wire that e would cause the spinning. Magnetohydrodynamic_drive netic field to generate electricity. The make best use of the resonant and generates current in second con be changes in: direction or oscillation, or variable fields.

This is called a ______ or back emf.