



(Spots)	Meat gluen to hystem >+
Page Page	E DUILIBRIUM: -
· Turbins of Hydrolic energy -> Nucleonical Energy)	o reorth laws:
	o 1step > Take thrue bodier A B
1) Impulse Turbine or letton wheel turbine / whoity turbine / Gengential bora 2) Reaction Turbine	o rearth Laws:- o 1 step > Jake thrue bodin Th=Tc To=Tc then To=To C constitution then to to
2/ Machine Turbine wolf	it concepts of temprature management.
Renatock + control water I wan what to Tushing	aguar and a second a second and
pennitock > carry water from revovoir to Turbine blade shape > hemisphere shape comphaler > circular dist consist of rotating blader.	o Ist daw of Invimodynmias? - 1
amphalus > circular dise consist of notating blader.	and have been dearly and known the selection of the selec
	1) For a Cycle ? - Initial and final 1.
OI repure turbine facility K.F. consulted into pressure energy Horse)	1) For a cycle 3-Initial and final tater are some, valid only for a P 2 cylic, not process
adramack a ment with money at high had many and leave will	Clina de Oto EW Durank
in the constitute in the thin product to your	All the part is usual to work done
man impulse of jet odirawback > med water respects at high head, means need lE=mgh which in then consuted in K.E. then previous energy high head about loom	Cyclic 7 (ED) - EW) work Cyclic 7 (ED) - EW) work Frungy (heat) Lossifur
o nozzel une: It is a while control und for control the flow of water, guide	Out Laurain
IFD water to imphalor consumt water to high velocity jet.	I J
- And	o In process here is change in state / properties
Reaction Socregges- Twibine: " furer K.E.+ Pressure energy) o Guide voner or fixed blode incuary the KE	procum > D = Au + W I d mot 2
acmy work ar mozzel	and we d'in
O) Cloribication of reaction	
turbino turbino	charge in work done heat
Art Fronzier, Kaplan and	ond w charge in work done heat A internal energy track to make the state of the st
their wer	19 U4 > Chamal in immuria convey
fixed blader or fix in	total energy > Po E + Ko E + 4 way small Name Mighted
Caring	wy tral
moving blade fix in shaft	Nince Mighted

o II d law of thermodynamics: - / Directional daw , MCO Source: Supply so large amount of heat (Ds), without change in temp Sink : It is a heat revolvir it can aborbe large amount without change in An engine I hermodynamic machine much both Source and sink. o Rivertional lewes > It states direction of process 1) Kelvin Planker Statement: It is impossible construct such a device which can produce work by exchanging heat from single if ony or workdone) rource ad sint is then it is impossible

to construct

sink eg all engine

Source

(system)

Fig. H-L we get work done I of natural ? id L-H weget change in direction of work done ? Date Page o Engine Heat Engine: It is a decice which consunt part of heat into work done and remaining in atmosphere Tideource

Jos

System > hengin -> w

Jor
Luct origins

Tz°c Sin K

Neck rayect / absorbe $Neff = O/P = W \rightarrow O_S - D_R$ $I/D = O_S$ 2) Claurius Statement: - It is impossible to construct such a deince which can tramper heat from lower timp to higher temp cuthout ony I help I work done T, Surrounding T, > T2 1 TOS
Reprigrator W Tz [Storage]

c product to be cooled Later captured 10 som 0 5 X ig : sufg vefrignoter

plan has pract and have and have start for the part and the start start then

