Trip&Event
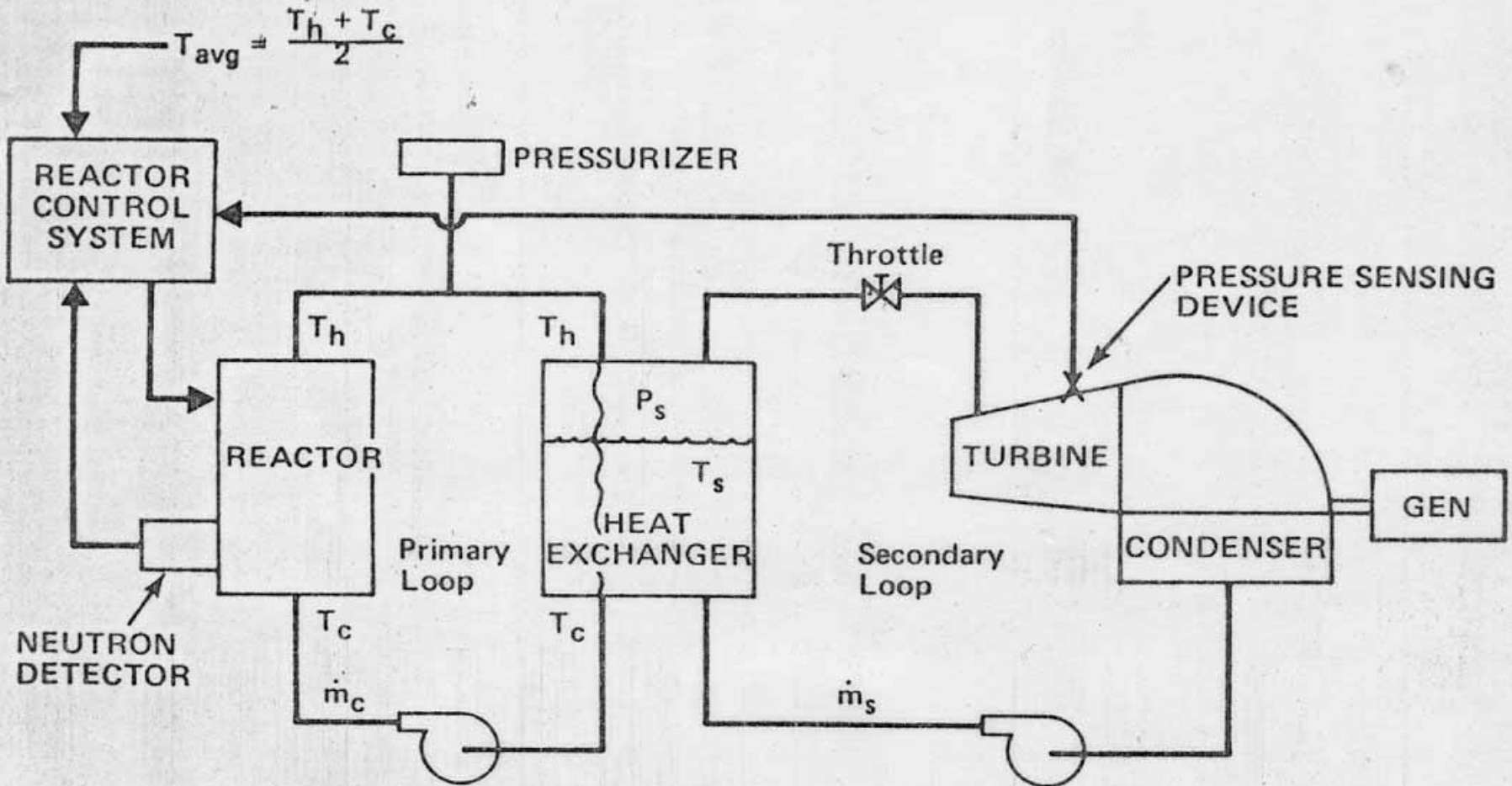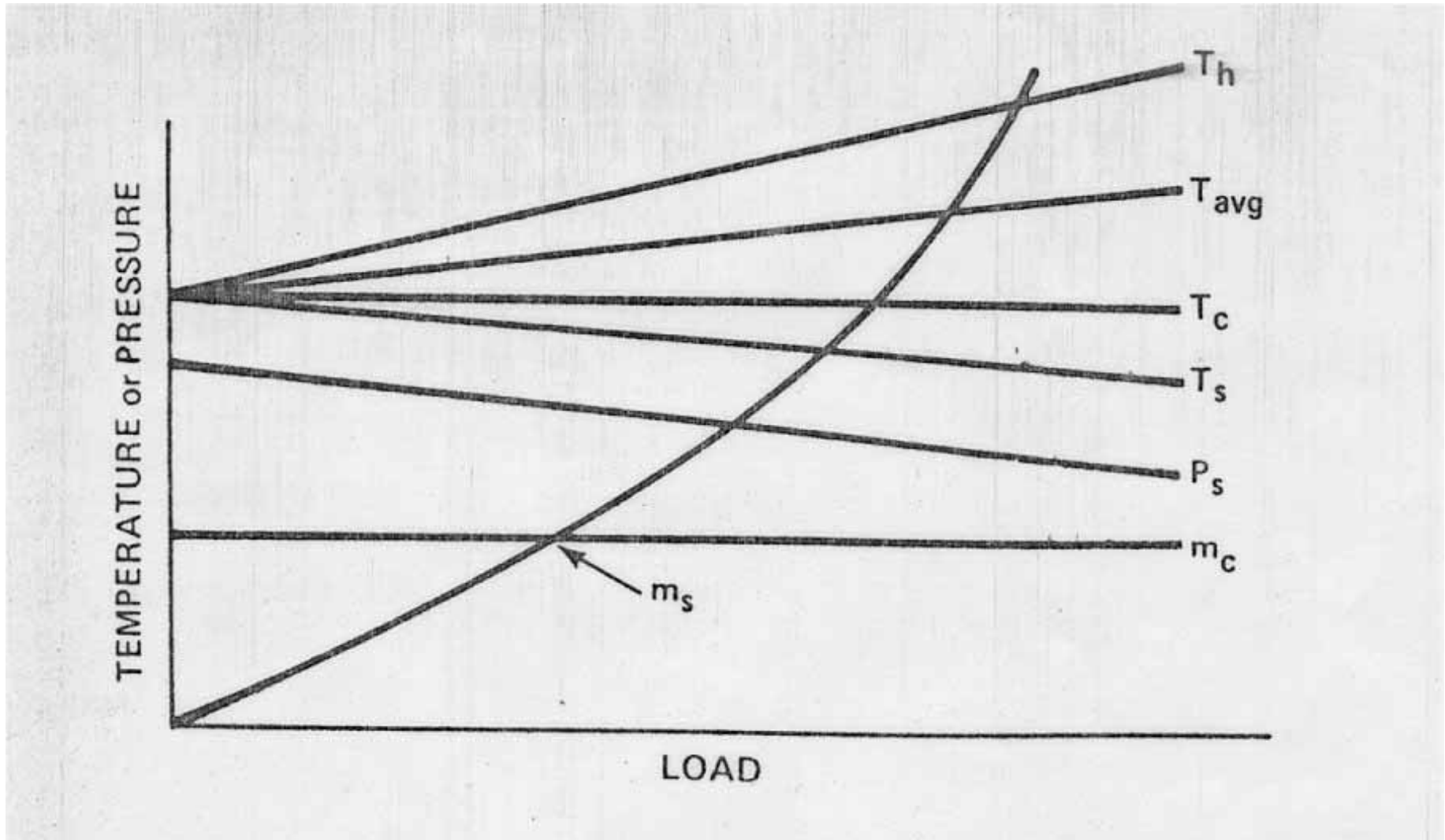
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  - SLIDING Tavg PROGRAM
  - Characteristics of a sliding average Temperature Program
  - EVENT Classification
  - Reactor Trip Function for PWRs

SLIDING Tavg PROGRAM

CHATERISTICS OF A SLIDING AVERAGE TEMPERATURE PROGRAM

EVENT CLASSIFICATION

EVENT FREQUENCT RANGE (PER YEAR)	PROPOSED PLANT CONDITIONS	EXISTING TERMINOLOGY					
		NRC			ANS		
		10 CFR	RG 1.48 ASME CODE*	RG 1.70 REV. 2	N 18.2	N212	N213
PLANNED OPERATIONS	PC-1	NORMAL	NORMAL	NORMAL	CONDITION I	NORMAL PCC	PLANT CONDITION A
10^{-1}	PC-2	ANTICIPATED OPERATIONAL OCCURRENCES	UPSET	MODERATE FREQUENCY	CONDITION II	FREQUENT PPC	PLANT CONDITION B
	PC-3			INFREQUENT INCIDENTS	CONDITION III		
10^{-2}						INFREQUENT PPC	PLANT CONDITION C
10^{-3}	PC-4	ACCIDENTS	EMERGENCY				
10^{-4}				LIMITING FAULTS	CONDITION IV	LIMITING PPC	PLANT CONDITION D
10^{-5}	PC-5		FAULTED				
10^{-6}	NOT CONSIDERED						

REACTOR TRIP FUNCTIONS FOR PWRs

- 1. <u>NUCLEAR OVERPOWER TRIPS</u>
    (A) POWER RANGE HIGH NEUTROL FLUX TRIP
    (B) INTERMEDIATE RANGE HIGH NEUTROL FLUX TRIP
    (C) SOURCE RANGE HIGH NEUTROL FLUX TRIP
    (D) POWER RANGE HIGH POSITIVE NEUTROL FLUX RATE TRIP
    (E) POWER RANGE HIGH NEGATIVE NEUTROL FLUX RATE TRIP

- 2. <u>CORE THERMAL OVERPOWER TRIPS</u>
    (A) OVERTEMPERATURE T TRIP
    (B) OVERPOWER T TRIP

- 3. <u>REACTOR COOLANT SYSTEM PRESSURIZER AND WATER LEVEL TRIPS</u>
    (A) PRESSURIZER LOW PRESSURE TRIP
    (B) PRESSURIZER HIGH PRESSURE TRIP
    (C) PRESSURIZER HIGH WATER LEVEL TRIP

- 4. <u>REACTOR COOLANT SYSTEM LOW FLOW TRIPS</u>

  (A) LOW REACTOR COOLANT FLOW

  (B) REACTOR COOLANT PUMP UNDERVOLTAGE TRIP
  (B) REACTOR COOLANT PUMP UNDERFREQUENCY TRIP

- 5. <u>STEAM GENERATOR TRIPS</u>

  (A) LOW FEEDWATER FLOW TRIP COINCIDENT WITH LOW
  STEAM GENERATOR WATER LEVEL.

  (B) LOW- LOW STEAM GENERATOR WATER LEVEL TRIP

- 6. <u>REACTOR TRIO ON A TURBINE TRIP</u> (ANTICIPATORY TRIP)

- 7. <u>SAFETY INJECTION SIGNAL ACTUATION TRIP</u>

- 8. <u>MANUAL TRIP</u>