

# PAATHKIA

# KITEL

1	8th week 1, 2, 3, 4, 5, 6	1
2	Multis-transverse machine 1, 2, 3, 4, 5 - per idea (Multis mikrotransverse) - isolated machine	2
3	Multis Kanonik 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 - per idea - isolated machine - mikrotransverse - isolated machine	3
		4
		5
		6
4	Multis Mikrotransverse 1, 2, 3, 4, 5 (same slide)	7
		8
6	Systema Simplex 1, 2, 3, 5 also paper	9
		10
7, 8	7.1 8.1, 8.3	11

State of a model system	Binary model systems Average value	- mikrotransverse - isolated machine
Entropy and Temperature	Fundamental concepts Probability Temperature Entropy ... etc	- mikro + mikrotransverse
Boltzman Distribution and Helmholtz Free energy	Boltzmann factor Helmholtz free energy ideal gas: First look	
Chemical Potential and Gibbs distribution	Definition Gibbs Factor and Gibbs Sum	- mikrotransverse
Ideal Gas	Fermi-Dirac distribution Bose-Einstein distribution + Chemical limit	
Fermi-Dirac gas	Fermi Gas Bose Gas and Bose Condensation	