Archie 1708,0006 Tensor Networks vector vector Tousor notation Scalar vector Matrix Order 3 tensor Number of legs = dimension of the fersor Contractions: matria matrix matrix I Ay By Dat product I Air Bin Matric multipliano Tensor network: - 2 or more tensors in diagram - can do proofs - de compose large - dim tensors into smaller din SVD - scalar vector decomposition reduce the number of dependent variables