Evaluating Energy and Paver Impacts of Multilevel Checkpointing MPI Applications on Three Parallel Architectures Notes - Resilience Method ILI. Checkpoint Based - Saving State
II. Redundancy Based - replicating Computation
III. Algorithm Based - medify applications to operate on encoded
IV Provocative Methods - Preventative measures - FTI - 41/120] storage + replication - multilevel Checkpointing - less frequent, more resilient Checkpoints - better efficiency, less load - FTI impacts MPI comm. performance slightly - different bit positions - Small difference in runtime, bigger difference in power consumption