Finite-Sample Analysis: Random Polytrees (Fixed Version) **Error Convergence** Structure Recovery Performance -- n=10 (2H, 8O) n=10 (2H, 8O) • n=15 (4H, 110) • n=15 (4H, 110) 1.0 n=20 (4H, 16O) n=20 (4H, 16O) n=25 (7H, 18O) n=25 (7H, 18O) - n=30 (8H, 22O) - n=30 (8H, 22O) Structure Recovery Success Rate Max Discrepancy Error 0 0 0.2 0.0 10⁶ 10⁷ 10⁸ 10^{6} 10⁷ 10⁸ Sample Size Sample Size Observed vs Theoretical $n^{-1/2}$ Convergence n^(-1/2) Efficiency 1.0 1.0 --- Perfect 8.0 8.0 Convergence Efficiency
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9 Discrepancy Error .0 .0 .9 0.2 0.2 0.0 0.0 + 0.0 0.2 0.2 0.4 0.6 0.8 1.0 0.0 0.4 0.6 8.0 1.0

Sample Size

Polytree Size