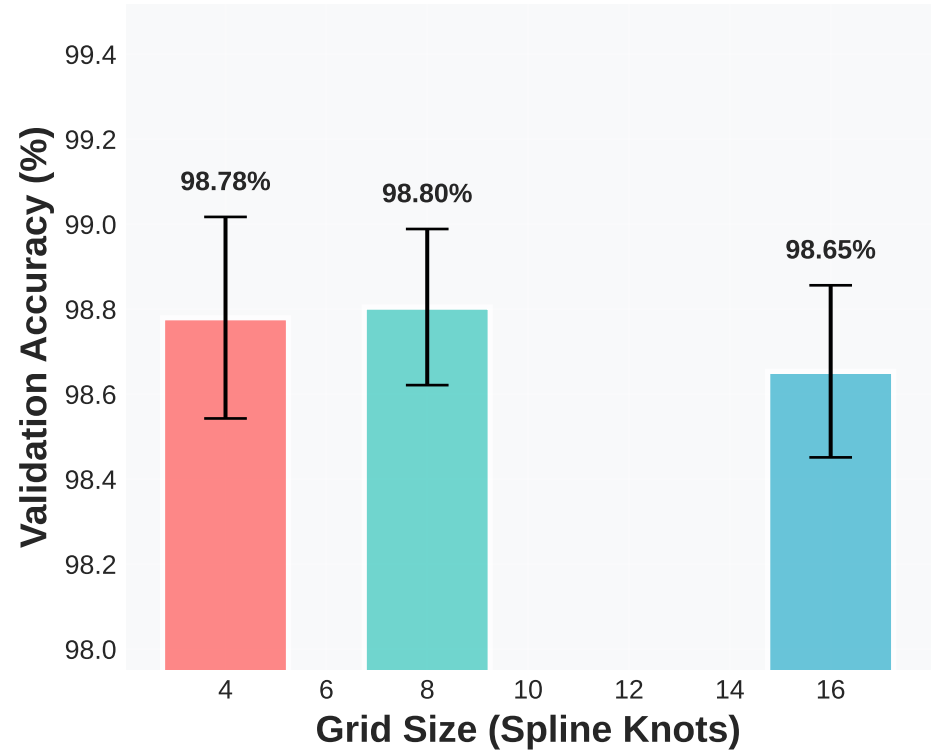# FastKAN Ablation Study - Comprehensive Analysis
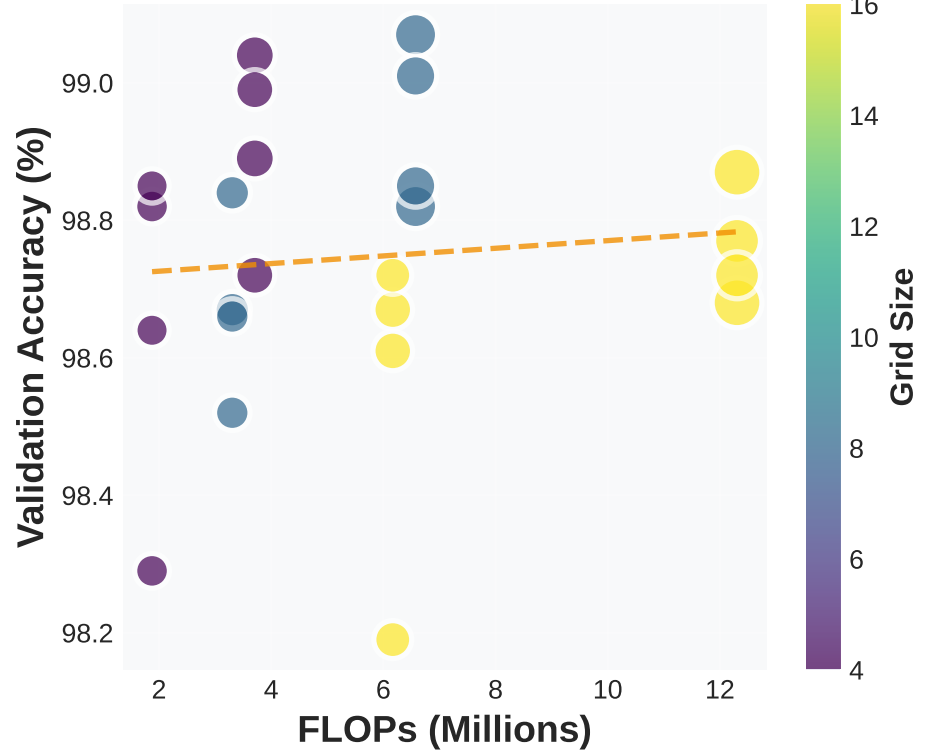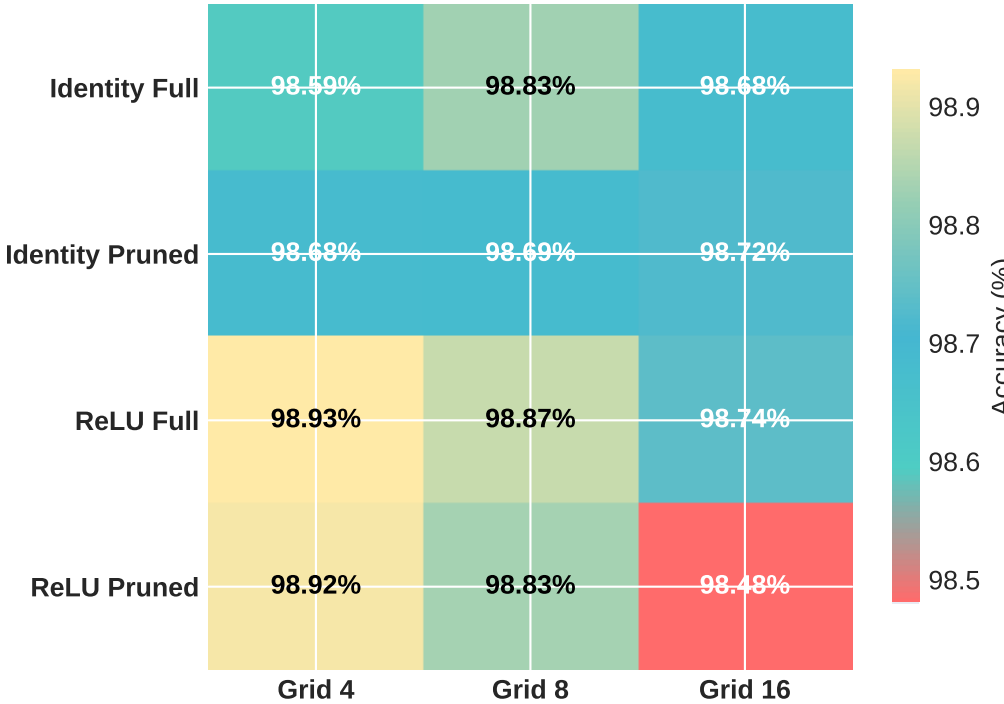
Grid Size Impact on Accuracy
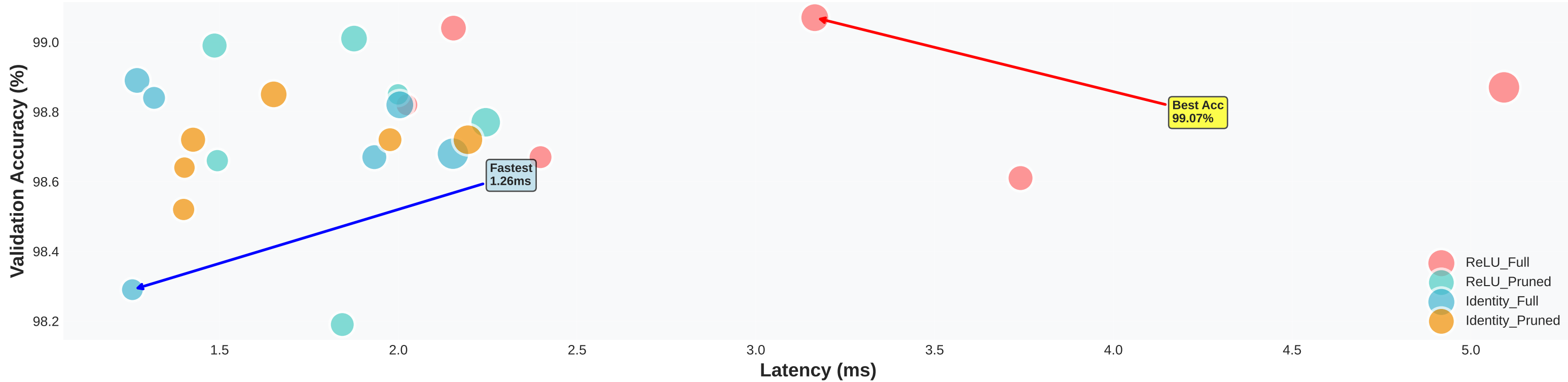
98.78% 98.80% 98.65%

Efficiency Frontier

Performance Heatmap

	Grid 4	Grid 8	Grid 16
Identity Full	98.59%	98.83%	98.68%
Identity Pruned	98.68%	98.69%	98.72%
ReLU Full	98.93%	98.87%	98.74%
ReLU Pruned	98.92%	98.83%	98.48%

Speed vs Accuracy Trade-off (Bubble size = Parameters)

Best Acc 99.07%

Fastest 1.26ms

ReLU_Full
ReLU_Pruned
Identity_Full
Identity_Pruned

Top Configurations Radar

Grid 8, 1.5x
Grid 4, 1.5x
Grid 8, 1.5x

Speed
Accuracy
Efficiency
Compactness
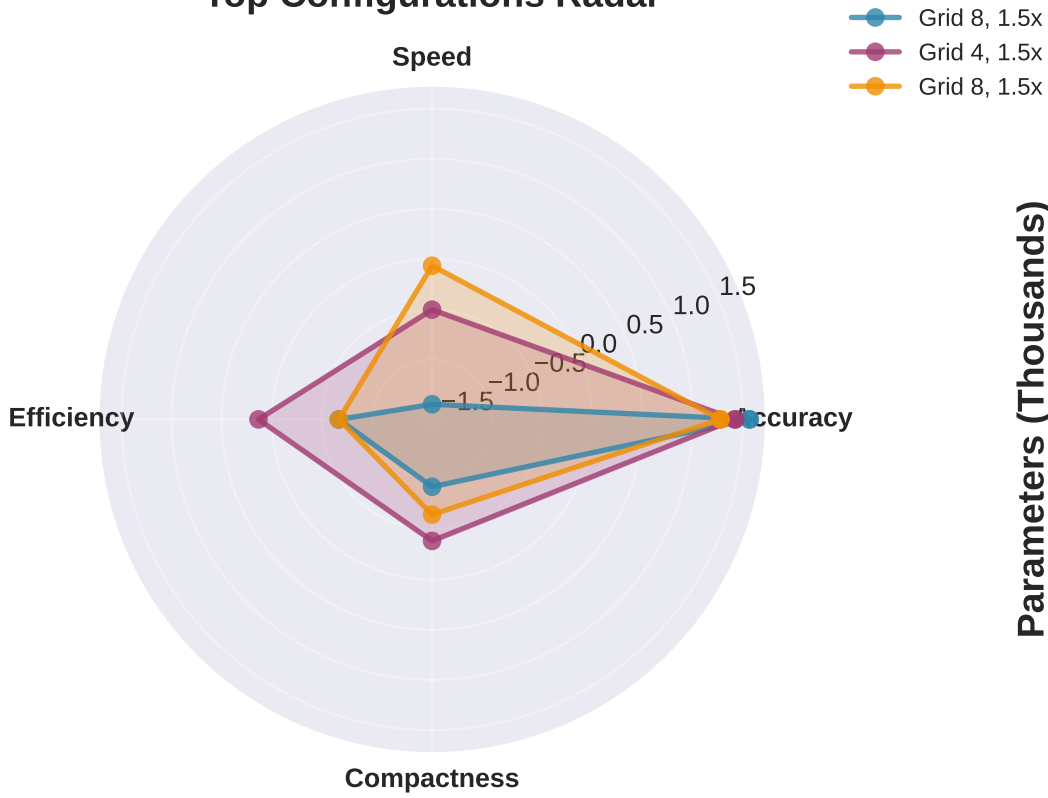
Parameter Scaling Analysis

Grid 4
Grid 8
Grid 16

247K   402K

1.0x   1.5x

Width Multiplier