Fractional Velocity Relative to Speed of Light Squared ( $\beta^2$ ) (From Cartesian) Better 2.8 -Higher is E 2.0 Ratio CUDA (Tensor / Kernel) -1.8 1.6 1.4 1.0 8.0 0.6 Ampere A100 (Separate) Ampere A100 (Combined) Hopper H100 (Separate) Hopper H100 (Combined) 0.4 Tesla V100 (Separate) Tesla V100 (Combined) 0.2 Ampere A30 (Separate) Ampere A30 (Combined) 0.0 800 300 600 Length of Tensor - (Units of 1000)