TILED DISPLAY WALL OPTIMIZATION

INTRODUCTION METHODS

Tiled Display Wall Optimization Methods uses for testing

* Debain / Windows 7 1) Used GPUz and CPUz to monitor internal temp
* 13 23” Acer LCD Displays 2) Used a thermal gun to verify temp
* 4 X 3 configuration with 1 terminal window 3) Used Intel Power Monitor to record power draw
* 3 NVIDIA NVS 450 Quadro GPUs 4) Used GPUz and CPUz to verify power draw
* 1 NVIDIA TITAN GPU 5) Used PRIME95 for stress test
* Connected through Displayport 6) Tested on DisplayPort/HDMI/DVI

CHALLENGES

1. NVIDIA X Server settings for Ubuntu/Debain
2. Cooling 4 NVIDIA GPUs efficiently
3. Configuring a multi-boot system

CONCLUSIONS

Major issue getting the display to output correctly to each monitor

through Ubuntu and Debain because of the incompatibility with

a select desktop environments leading to an unstable system or

poor performance. Further issues arose with configuring a multi-

boot system that used three operating systems. Also, NVIDIA

drivers were not recent and used two separate versions because

the video cards are each in the business and consumer class line.



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