INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR

SPARSE MATRIX VECTOR MULTIPLICATION

(Performance Analysis With Different Scheduling Techniques)

Submitted By:
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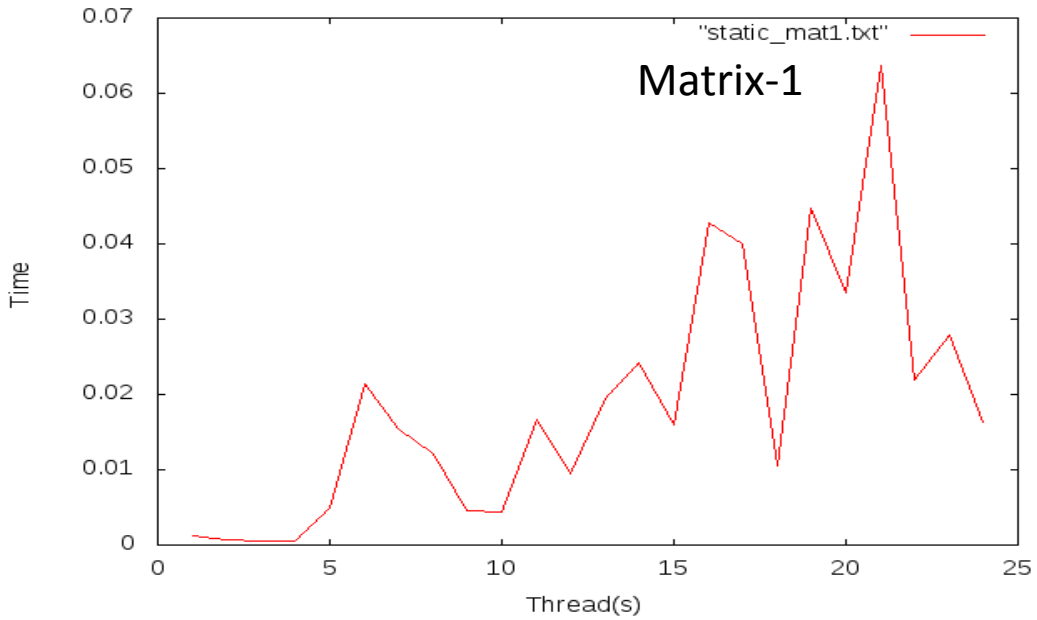
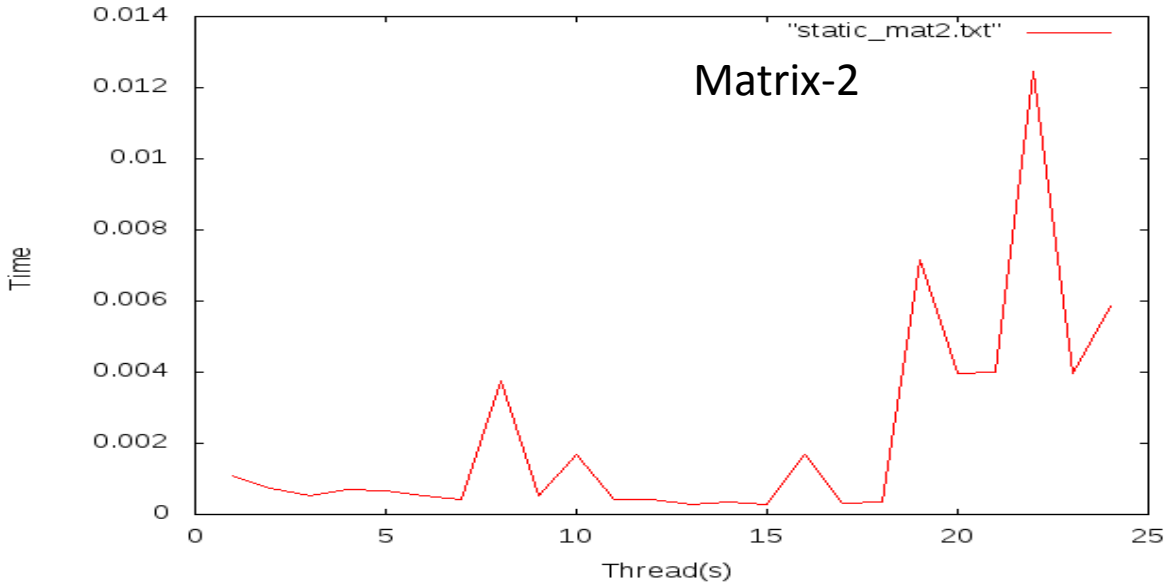
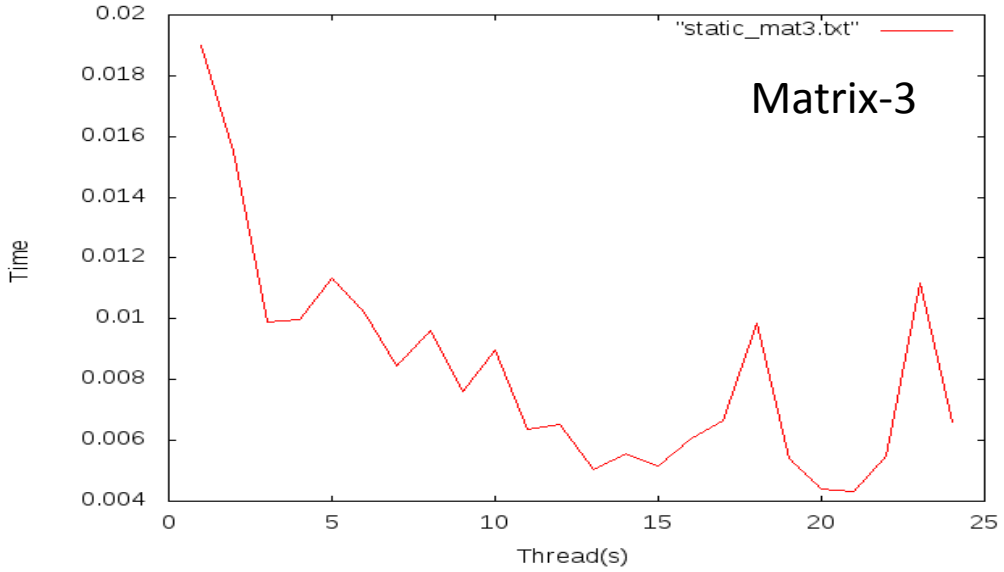
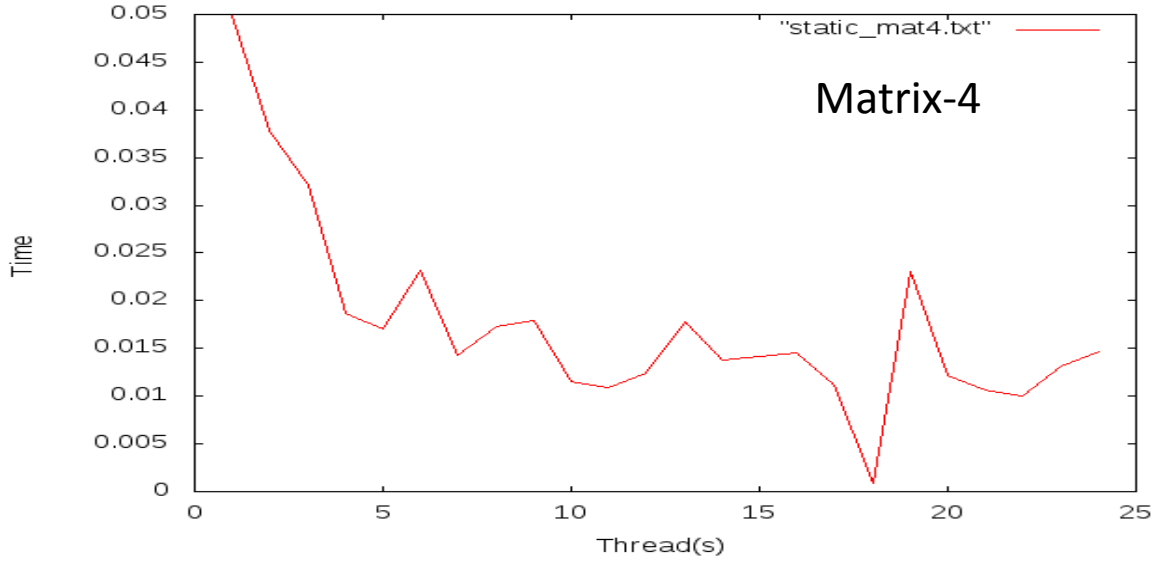
STATIC SCHEDULING

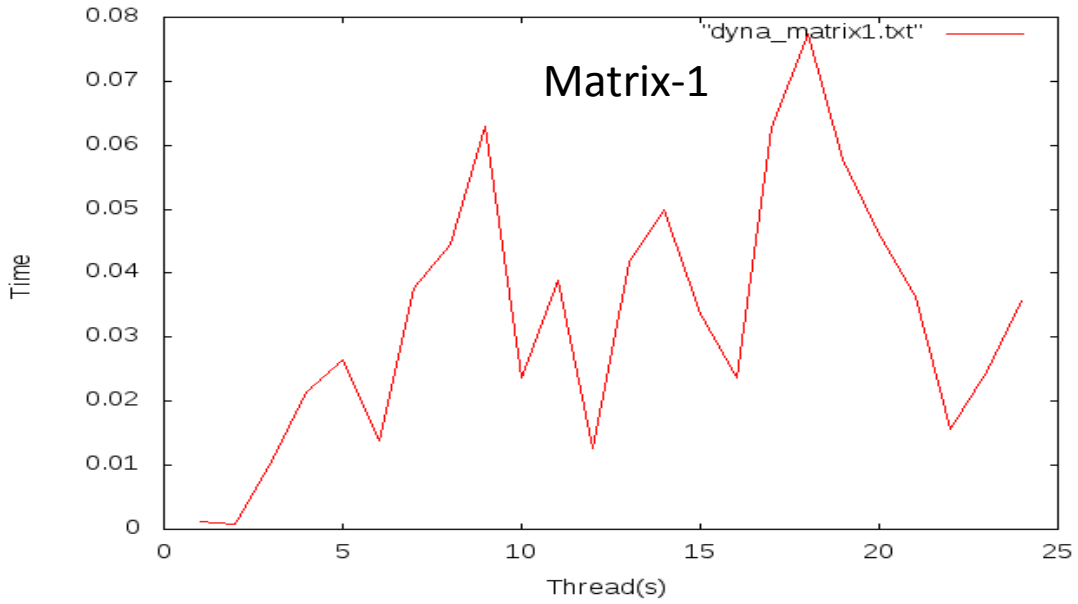


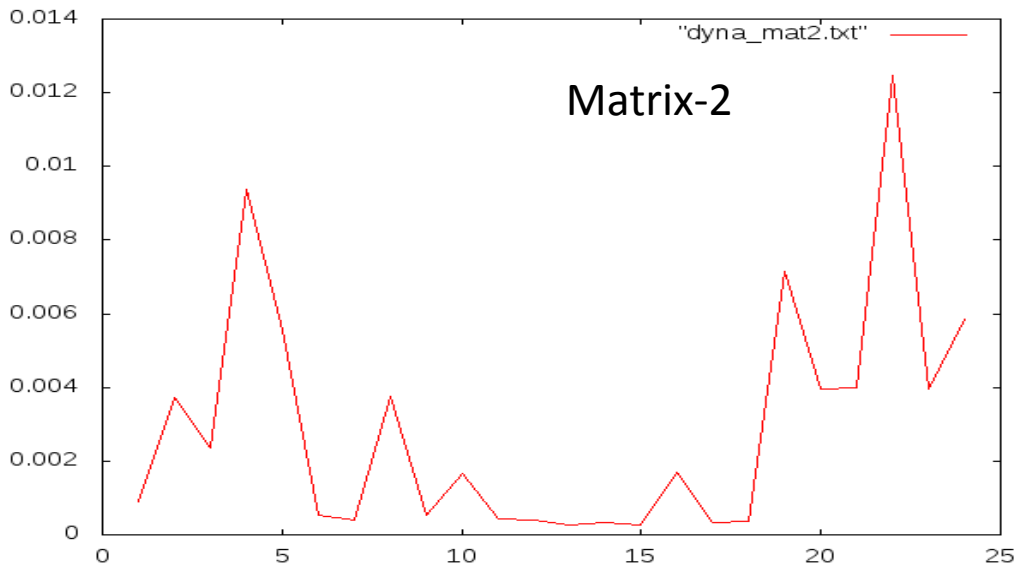


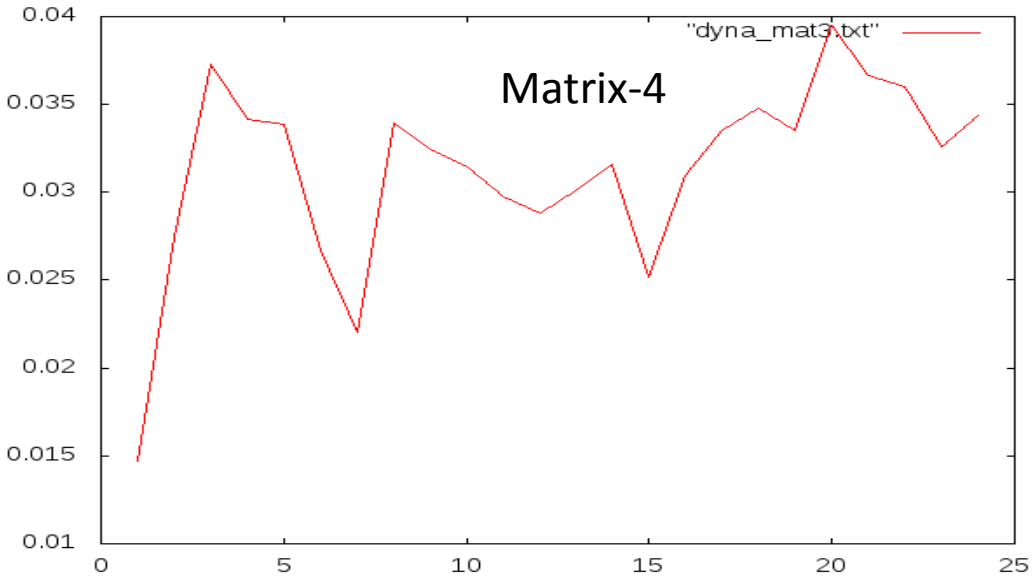


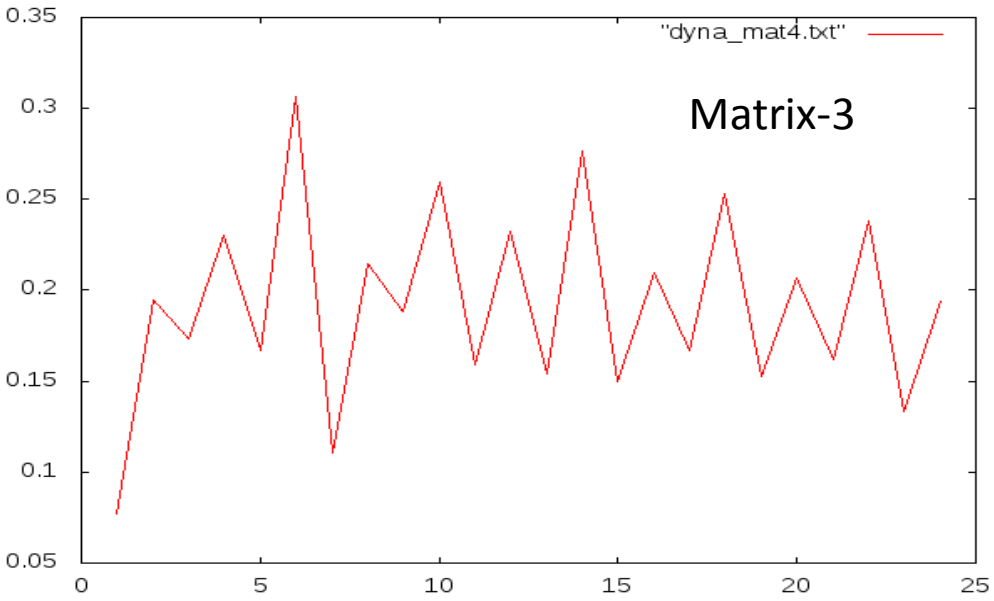


DYNAMIC SCHEDULING

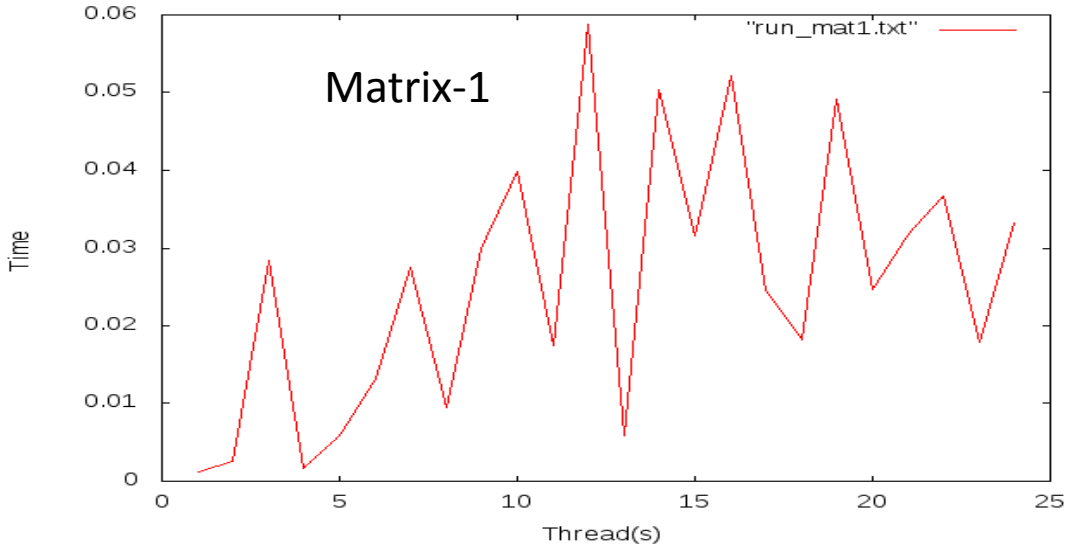


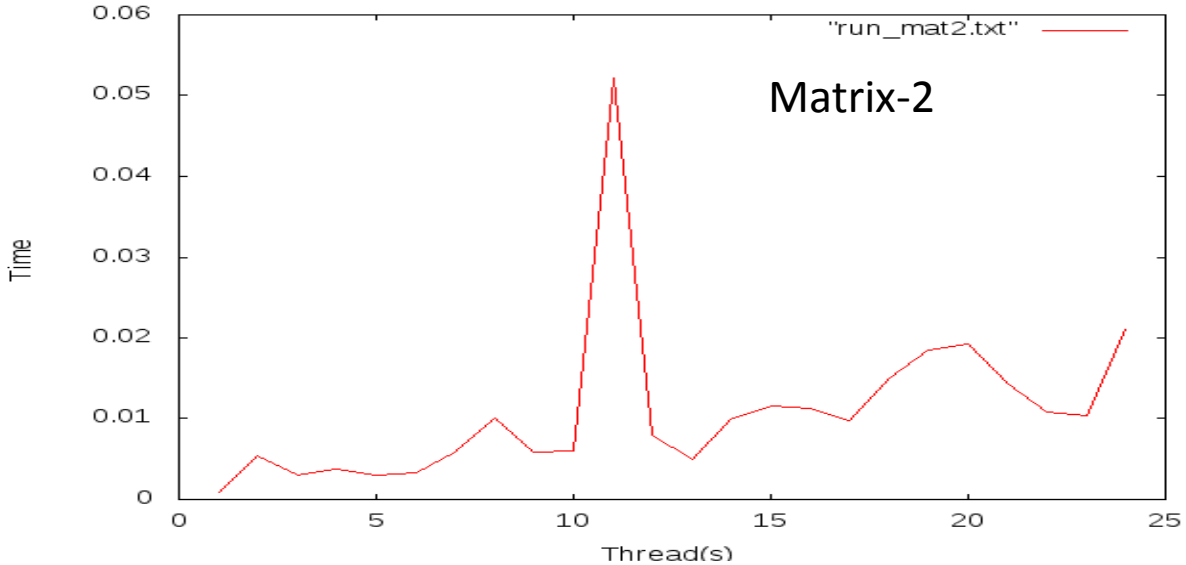


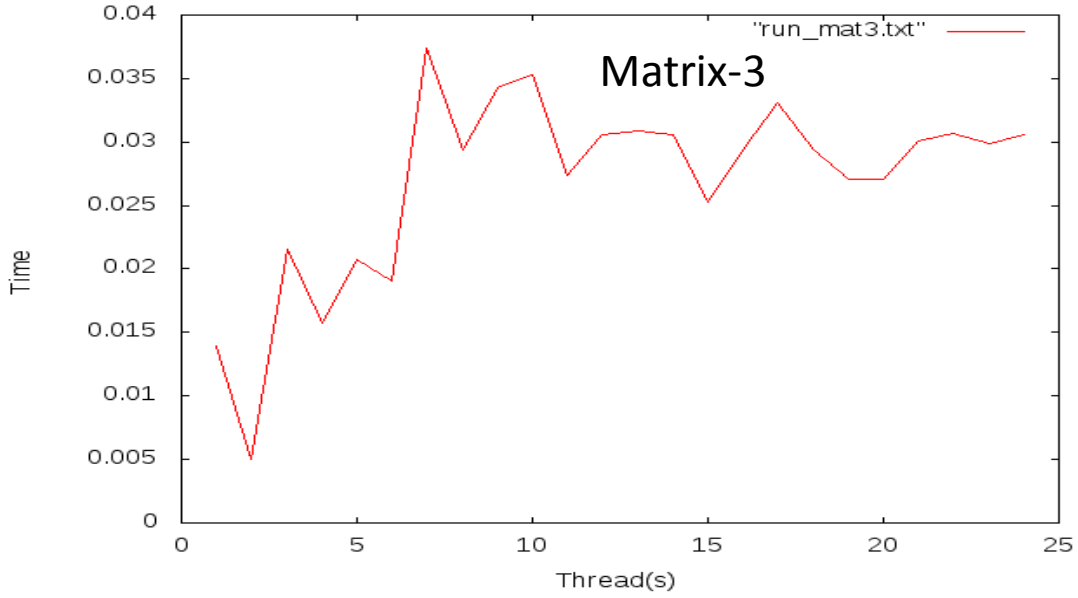


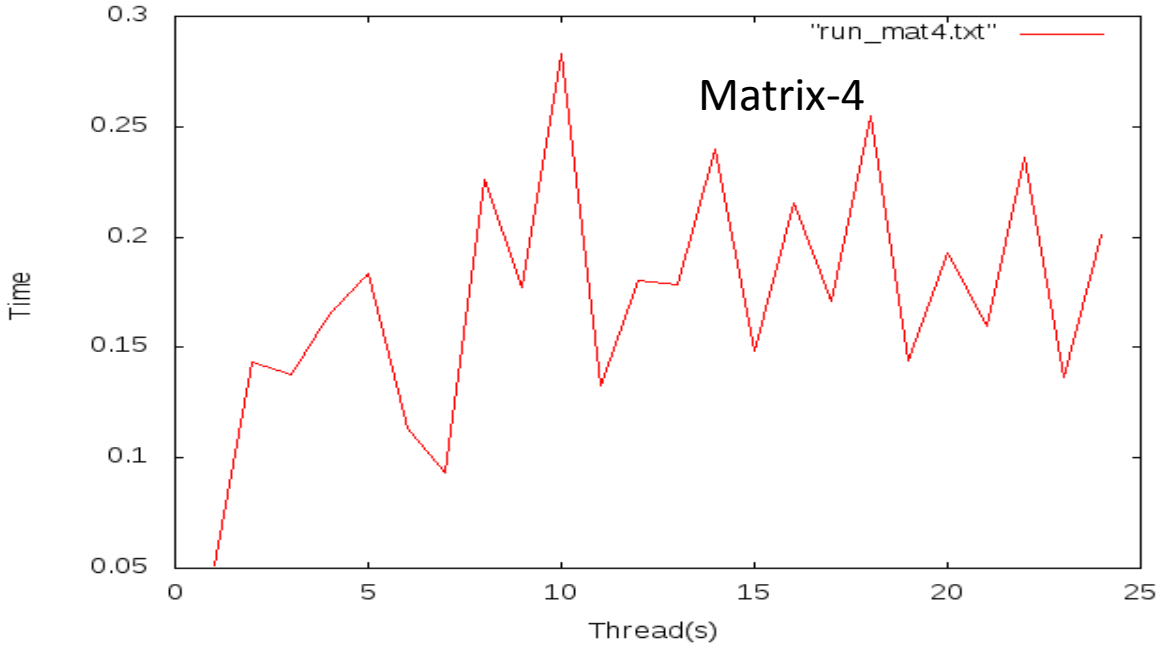


RUNTIME SCHEDULING

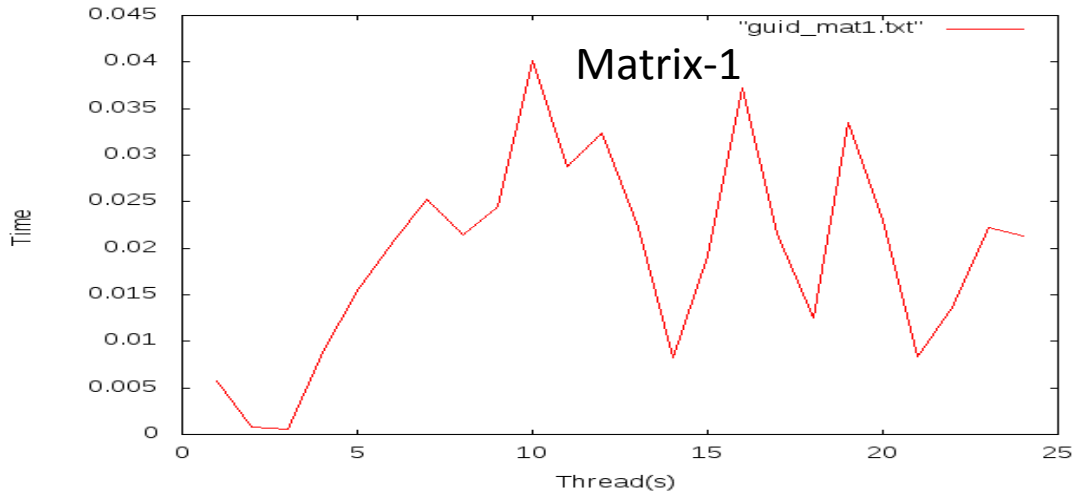


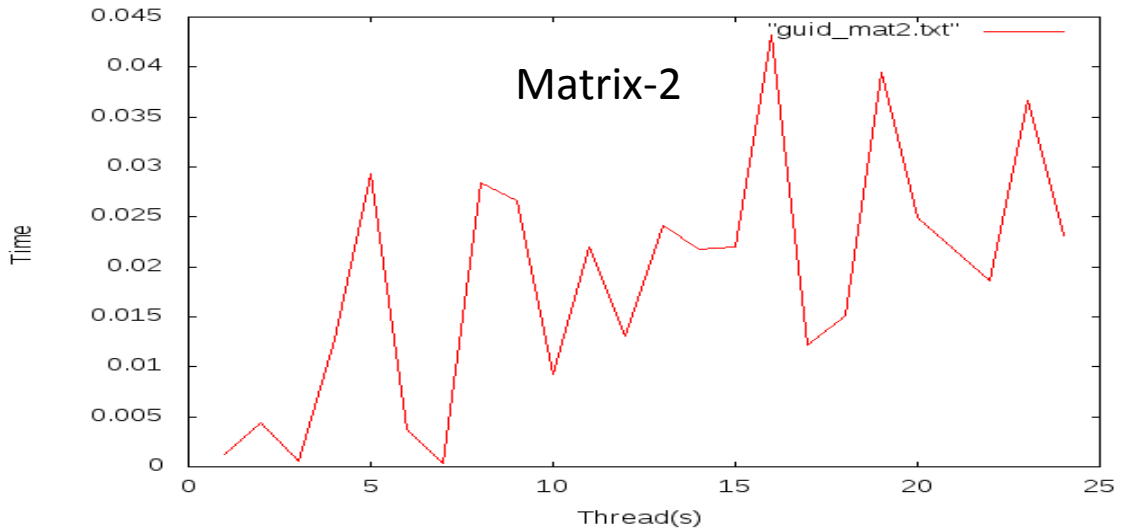


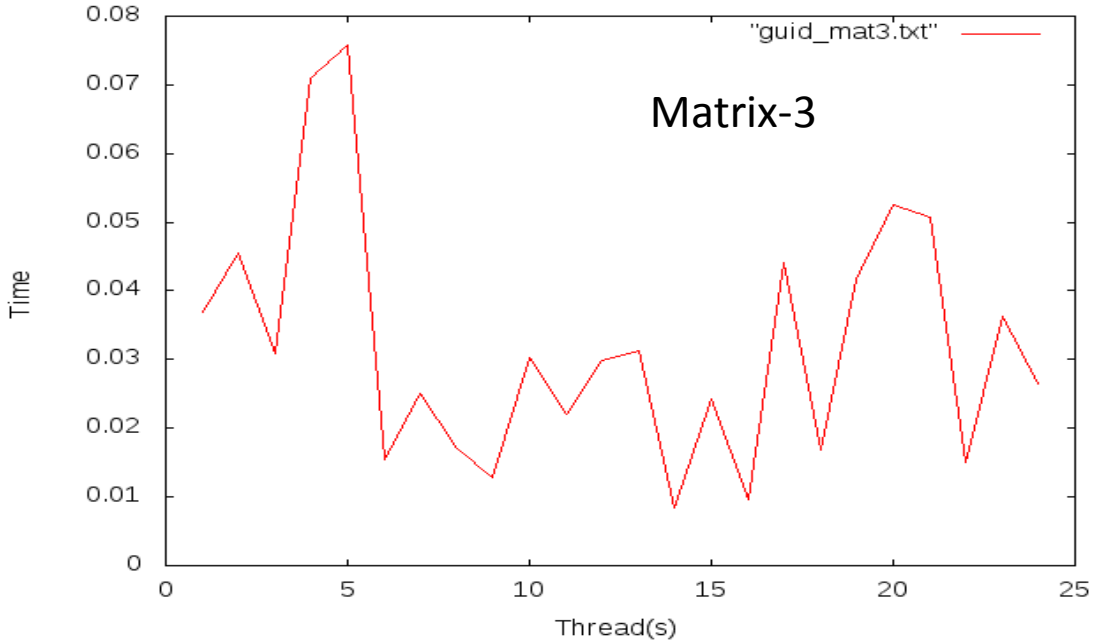


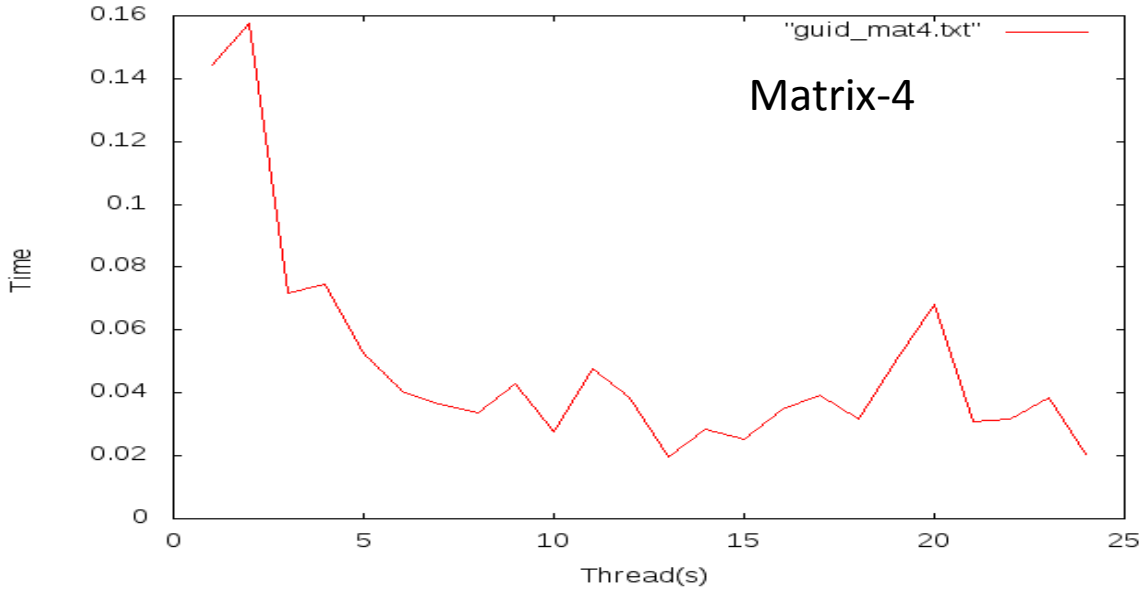


GUIDED SCHEDULING









CONCLUSION

- Static is best according to time vs thread graph.
- Guided most probable same static scheduling but we use static because guided sometime over headed.
- Also size of matrix increases the time for every scheduling also increases.