

ILP (Integer Linear Program) based scheduling

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Abstract—This paper seeks to present an overview behind the approach of ILP (Integer Linear Program) based scheduling which typically involves the use of a formal mathematical description for all of the resource and application constraints, e.g., an Integer Linear Programming (ILP) formulation, which can be used by different solvers to compute a feasible schedule. All variables must be set to integers in order to have an optimal solution.

Index Terms—Multi-Core Real-time Scheduling, Real-Time Operating Systems, EDF(Earliest Deadline First)

I. INTRODUCTION

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II. BRIEF HISTORY OF THE PROBLEM

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III. BODY

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A. SUB-SECTIONS

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IV. CONCLUSION

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REFERENCES

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- [3] _____