

Verslag Tinlab Advanced Algorithms

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11 februari 2019



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1 Inleiding

Zie hier een referentie naar Royce [2] en nog een naar Clarke [1]. . .

2 Requirements

2.1 Requirements

2.2 specificaties

3 Modellen

3.1 De Kripke structuur

3.2 Soorten modellen

3.3 Tijd

3.4 Guards en invarianten

3.5 Deadlock

3.6 Zeno gedrag

4 Logica

4.1 Propositielogica

4.2 Predicatenlogica

4.3 Kwantoren

4.4 Dualiteiten

5 Computation tree logic

5.1 De computation tree

5.2 Operator: AG

5.3 Operator: EG

5.4 Operator: AF

5.5 Operator: EF

5.6 Operator: AX

5.7 Operator: EX

5.8 Operator: $p \cup q$

5.9 Operator: $p \text{ R } q$

5.10 Fairness

5.11 Liveness

Referenties

- [1] Edmund M. Clarke, Jr., Orna Grumberg, and Doron A. Peled. *Model Checking*. MIT Press, Cambridge, MA, USA, 1999.
- [2] Winston W Royce. Managing the development of large software systems: concepts and techniques. In *Proceedings of the 9th international conference on Software Engineering*, pages 328–338. IEEE Computer Society Press, 1987.