

REFERENCES

- [1] R. Alur, T.A. Henzinger, and O. Kupferman. Alternating-time Temporal Logic. In *Proc. of FOCS'97*, pages 100–109. IEEE Comput. Soc. Press, 1997.
- [2] R. Alur, T.A. Henzinger, and O. Kupferman. Alternating-time Temporal Logic. *J. of the ACM*, 49:672–713, 2002.
- [3] R. Alur, T.A. Henzinger, F.Y.C. Mang, S. Qadeer, S. Rajamani, and S. Tasiran. MOCHA: Modularity in model checking. In *Proc. of CAV'98*, volume 1427 of *LNCS*, pages 521–525. Springer, 1998.
- [4] F. Belardinelli, A. Lomuscio, A. Murano, and S. Rubin. Verification of broadcasting multi-agent systems against an epistemic strategy logic. In *Proc. of IJCAI'17*, pages 91–97, 2017.
- [5] F. Belardinelli, A. Lomuscio, A. Murano, and S. Rubin. Verification of multi-agent systems with imperfect information and public actions. In *Proc. of AAMAS'17*, pages 1268–1276, 2017.
- [6] N. Bulling, J. Dix, and W. Jamroga. Model checking logics of strategic ability: Complexity. In *Specification and Verification of Multi-Agent Systems*, pages 125–159. Springer, 2010.
- [7] S. Busard, C. Pecheur, H. Qu, and F. Raimondi. Improving the model checking of strategies under partial observability and fairness constraints. In *Formal Methods and Software Engineering*, volume 8829 of *LNCS*, pages 27–42. Springer, 2014.
- [8] P. Cermák, A. Lomuscio, F. Mogavero, and A. Murano. MCMAS-SLK: A model checker for the verification of strategy logic specifications. In *Proc. of CAV'14*, volume 8559 of *LNCS*, pages 525–532. Springer, 2014.
- [9] P. Cermák, A. Lomuscio, and A. Murano. Verifying and synthesising multi-agent systems against one-goal strategy logic specifications. In *Proc. of AAI'15*, pages 2038–2044, 2015.
- [10] K. Chatterjee, T.A. Henzinger, and N. Piterman. Strategy Logic. *Inf. and Comp.*, 208(6):677–693, 2010.
- [11] T. Chen, V. Forejt, M. Kwiatkowska, D. Parker, and A. Simaitis. PRISM-games: A model checker for stochastic multi-player games. In *Proc. of TACAS'13*, volume 7795 of *LNCS*, pages 185–191. Springer, 2013.
- [12] E.M. Clarke, D.E. Long, and K.L. McMillan. Compositional model checking. In *Proc. of LICS'89*, pages 353–362. IEEE Comput. Soc. Press, 1989.
- [13] B. Devereux. Compositional reasoning about aspects using alternating-time logic. In *Proc. of FOAL'03*, pages 45–50, 2003.
- [14] C. Dima and F.L. Tiplea. Model-checking ATL under imperfect information and perfect recall semantics is undecidable. *CoRR*, abs/1102.4225, 2011.
- [15] N. Fijalkow, B. Maubert, A. Murano, and M.Y. Vardi. Assume-guarantee synthesis for prompt linear temporal logic. In *Proc. of IJCAI'20*, pages 117–123. ijcai.org, 2020.
- [16] D.P. Guelev, C. Dima, and C. Enea. An alternating-time temporal logic with knowledge, perfect recall and past: axiomatisation and model-checking. *J. Appl. Non-Classical Log.*, 21(1):93–131, 2011.
- [17] T.A. Henzinger, S. Qadeer, and S.K. Rajamani. You assume, we guarantee: Methodology and case studies. In *Proc. of CAV'98*, volume 1427 of *LNCS*, pages 440–451. Springer, 1998.
- [18] C.A.R. Hoare. An axiomatic basis for computer programming. *Commun. ACM*, 12(10):576–580, 1969.
- [19] X. Huang and R. van der Meyden. Symbolic model checking epistemic strategy logic. In *Proc. of AAAI'14*, pages 1426–1432, 2014.
- [20] W. Jamroga and J. Dix. Model checking ATL_{ir} is indeed Δ_2^P -complete. In *Proc. of EUMAS'06*, volume 223 of *CEUR Workshop Proc.*, 2006.
- [21] W. Jamroga, M. Knapik, D. Kurpiewski, and Ł. Mikulski. Approximate verification of strategic abilities under imperfect information. *Artif. Int.*, 277, 2019.
- [22] W. Jamroga, W. Penczek, T. Sidoruk, P. Dembiński, and A.W. Mazurkiewicz. Towards partial order reductions for strategic ability. *J. Artif. Intell. Res.*, 68:817–850, 2020.
- [23] C.B. Jones. Specification and design of (parallel) programs. In *Proc. of IFIP'83*, pages 321–332. North-Holland/IFIP, 1983.
- [24] D. Kurpiewski, W. Pazderski, W. Jamroga, and Y. Kim. STV+Reductions: Towards practical verification of strategic ability using model reductions. In *Proc. of AAMAS'21*, pages 1770–1772. ACM, 2021.
- [25] M.Z. Kwiatkowska, G. Norman, D. Parker, and H. Qu. Assume-guarantee verification for probabilistic systems. In *Proc. of TACAS'10*, volume 6015 of *LNCS*, pages 23–37. Springer, 2010.
- [26] A. Lomuscio, H. Qu, and F. Raimondi. MCMAS: An open-source model checker for the verification of multi-agent systems. *Int. J. Soft. Tools Tech. Trans.*, 19(1):9–30, 2017.
- [27] A. Lomuscio, B. Strulo, N.G. Walker, and P. Wu. Assume-guarantee reasoning with local specifications. In *Proc. of ICFEM'10*, volume 6447 of *LNCS*, pages 204–219. Springer, 2010.
- [28] A. Lomuscio, B. Strulo, N.G. Walker, and P. Wu. Assume-guarantee reasoning with local specifications. *Int. J. Found. Comput. Sci.*, 24(4):419–444, 2013.
- [29] F. Mogavero, A. Murano, G. Perelli, and M.Y. Vardi. Reasoning about strategies: On the model-checking problem. *ACM Trans. Comp. Log.*, 15(4):1–42, 2014.
- [30] S.S. Owicki and D. Gries. Verifying properties of parallel programs: An axiomatic approach. *Commun. ACM*, 19(5):279–285, 1976.
- [31] A. Pnueli. In transition from global to modular temporal reasoning about programs. In *Logics and Models of Concurrent Systems*, volume 13 of *NATO ASI Series*, pages 123–144. Springer, 1984.
- [32] P.Y. Schobbens. Alternating-time logic with imperfect recall. *Electr. Not. Theor. Comput. Sci.*, 85(2):82–93, 2004.