

CURRICULUM VITAE

CHEN QIAN

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RESEARCH INTERESTS

I am most interested in modal logic, especially interactions of operators of polymodal logic. Recently, I am focusing on the similarity and difference between basic modal logic and tense logic. Recently, I am learning category theory and duality theory. I also hold an active interest in dependence logic, logic of games, dynamic modal logic and other related fields.

EDUCATION

- Ph.D Candidate in Logic Sep. 2021 -
 - Department of Philosophy, Tsinghua University
 - Supervisor: Fenrong Liu
- BA in Philosophy Sep. 2017 - Jun. 2021
 - Department of Philosophy, Sun Yat-sen University
 - Dissertation supervisor: Minghui Ma

PUBLICATIONS

Under review / in progress

1. Chenwei SHI, Qingyu HE and Qian CHEN (2023). Note on Dependence Logic and Common Knowledge. *Manuscript*.
2. Penghao DU, and Qian CHEN (2023). Axiomatization of Hybrid Logic of Link Variations. *Accepted by DaLi 2023, to appear*.
3. Qian CHEN, and Dazhu LI (2023). Logic of the Hide and Seek Game: Characterization, Axiomatization, Decidability. *Accepted by DaLi 2023, to appear*.
4. Qian CHEN, Chenwei SHI and Yiyang WANG (2022). Reasoning about dependence, preference and coalitional power. *Manuscript*. <https://doi.org/10.48550/arXiv.2209.08213>

Published Works

1. Qian CHEN and Minghui MA (2023). Modal logic of generalized separated topological spaces. In Banerjee, M. and Sreejith, A. V., editors. *Logic and its applications*. ICLA 2023. Lecture Notes in Computer Science, vol 13963, pages 92-104. Springer, Cham. DOI: https://doi.org/10.1007/978-3-031-26689-8_7
2. Qian CHEN and Minghui MA (2022). Tabularity and Post-completeness in Tense Logic. *The Review of Symbolic Logic*. DOI: <https://doi.org/10.1017/S1755020322000132>

3. Minghui MA and Qian CHEN (2022). Finite model property in weakly transitive tense logics. *Studia Logica* 111: 217–250. DOI: <https://doi.org/10.1007/s11225-022-10027-0>
4. Minghui MA and Qian CHEN (2021). Lattices of finitely alternative tense logics. *Studia Logica* 109: 1093–1118. DOI: <https://doi.org/10.1007/s11225-021-09942-5>
5. Weakly transitive tense logic. BA Thesis. Sun Yat-sen University, 2021. (written in Chinese)

CONFERENCE PRESENTATIONS

1. Modal logic of generalized separated topological spaces (Joint work with Minghui Ma). *The 10th Indian Conference on Logic and its Applications*, 2023. Online.
2. Logic of Preference and Functional Dependence (Joint work with Chenwei Shi and Yiyang Wang). *Workshop on Logic in Multi-agent Systems 2022*. Beijing, China.
3. More on Hide and Seek Logic (Joint work with Dazhu Li). *Workshop on Logic and its interfaces 2022*. Beijing, China.

HONOURS AND AWARDS

1. The First Prize Scholarship for Excellent Graduate Students. Awarded by Tsinghua University, 2022.
2. Outstanding BA Thesis. Awarded by Sun Yat-sen University, 2021.
3. Li Xuerou Foundation Scholarship. Awarded by Sun Yat-sen University, 2021.
4. National Scholarship for Undergraduate Students. Awarded by Ministry of Education of the People's Republic of China, 2018-2020.

PROFESSIONAL SERVICE (SELECTION)

Teaching Assistance

1. Modal Logic and its Applications (Lecturer: Jeremy Seligman). Spring of 2023.
2. Foundations of Logic (Lecturer: Dag Westerståhl). Spring of 2023.
3. Logic, Computation and Games (Lecturer: Johan van Benthem). Fall of 2022.
4. Expressivity and Inference in Hybrid Logic (Lecturer: Patrick Blackburn). One of the courses provided by the Second Tsinghua Logic Summer School. Summer of 2022.
5. Foundations of Logic (Lecturer: Dag Westerståhl). Spring of 2022.
6. Logic, Language and Philosophy (Lecturer: Fenrong Liu and Martin Stokhof). Fall of 2021.

Organizational Works

1. Workshop on Logic and its interfaces. Tsinghua University, Beijing, China, 2022.
2. The Second Tsinghua Logic Summer School. Tsinghua University, Beijing, China, 2022.
3. Tutorial: 'What makes logic (un)decidable?'. Tsinghua University, Beijing, China, 2022.