

Machine Learning for Proofs Bibliography

The Public

June 30, 2022

Refereed Conference & Journal Papers

- [1] Emily First and Yuriy Brun. Diversity-driven automated formal verification. In *2022 IEEE/ACM 44th International Conference on Software Engineering (ICSE)*, pages 01–13, 2022. <https://people.cs.umass.edu/~brun/pubs/pubs/First22icse.pdf>.
- [2] Daniel Huang, Prafulla Dhariwal, Dawn Song, and Ilya Sutskever. Gamepad: A learning environment for theorem proving. In *International Conference on Learning Representations*, 2019. <https://openreview.net/forum?id=r1xwKoR9Y7>.
- [3] Markus Norman Rabe, Dennis Lee, Kshitij Bansal, and Christian Szegedy. Mathematical reasoning via self-supervised skip-tree training. In *International Conference on Learning Representations*, 2020. <https://arxiv.org/abs/2006.04757>.
- [4] Yuhuai Wu, Markus Norman Rabe, DeLesley Hutchins, and Christian Szegedy. Memorizing transformers. In *International Conference on Learning Representations*, 2022. <https://openreview.net/forum?id=TrjbxzRcnf->.

Workshop Papers

arXiv Papers

- [5] Stanislas Polu and Ilya Sutskever. Generative language modeling for automated theorem proving. *arXiv preprint arXiv:2009.03393*, 2020. <https://doi.org/10.48550/arXiv.2009.03393>.