

Environment. XLand-MiniGrid is a complete rewrite of MiniGrid (Chevalier-Boisvert et al., 2023) in JAX (Bradbury et al., 2018), incorporating a notion of rules and goals from XLand (Team et al., 2023). Leveraging JAX, it can run on a GPU or TPU accelerators at millions steps per seconds. At its core, it is a goal-oriented

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introduce XLand-MiniGrid, a library of grid world environments for meta-RL research. It does not compromise on task complexity in favour of affordability, democratizing large scale experimentation with limited resources. 2 XLand-MiniGrid We present an initial release of XLand-MiniGrid(v0.0.1), a suit of tools and grid world environments

We're unfortunately unlikely to be doing this anytime soon (it's in the plans for post v1.0, ~2-3 months), as we're currently busy working on getting XLand-MiniGrid to full paper and focused on meta-RL part (benchmarks), but we welcome any contributions, as grid randomization will definitely add new challenges to the meta-learning, as well as ...

???? XLand-MiniGrid,????????????,??? ?????????????????????? XLand ? MiniGrid ?????????? XLand-Minigrid? ...

What's Changed. This is our first stable release accompanied with the public full paper preprint on the arxiv (there is a lot of new content!). Compared to the workshop version, the library was almost completely rewritten, previously missing benchmarks, examples and baselines were added, and the interface of the environments was redesigned the latest update we added ...

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Key (like in Minigrid) Door (like in Minigrid) Box (like in Minigrid) (may reduce FPS!!!) Actions. stochasticity (could be done with a wrapper) Rules & Goals. procedural generator (like in xland v2) pre-sampled benchmarks, 500-1M tasks; Map. different grid layouts (mazes, rooms, objects) Envs. porting majority of minigrid envs; full xland ...

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Minigrid ??????????????,????????????????xland-minigrid ?????????????????,???????????????? ?????? ?? ...

Virtual`naya sreda XLand-MiniGrid, v kotoroj II obuchaetsya prinimat` resheniya i vy`polnyat` novy`e dejstviya, sozdana gruppoj uchyony`x iz laboratorii nauchny`x issledovaniy iskusstvennogo intellekta T-Bank AI Research i Instituta AIRI pri ...

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XLand-MiniGrid poyavilsya, chtoby` zakryt` e`tot probel`#187;, -- poyasnil Vyacheslav Sinij iz T-Bank AI Research. Rukovoditel` gruppy` #171;Adaptivny`e agenty`#187; Vladislav Kurenkov dobavil, chto blagodarya raznoobraziyu zadach ...

Produkt XLand-MiniGrid, Istoriya, 2024 Anons produkta. Istoriya 2024: Anons produkta. 29 noyabrya 2024 goda stalo izvestno o tom, chto rossijskie ucheny`e iz laboratorii T-Bank AI Research i Instituta AIRI v sotrudnichestve so studentami MFTI ...

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