

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

Written in JAX, XLand-MiniGrid is designed to be highly scalable and can potentially run on GPU or TPU accelerators, democratizing large-scale experimentation with limited resources. Along with the environments, XLand-MiniGrid provides pre-sampled benchmarks with millions of unique tasks of varying difficulty and easy-to-use baselines that ...

We present XLand-MiniGrid, a suite of tools and grid-world environments for meta-reinforcement learning research inspired by the diversity and depth of XLand and the simplicity and minimalism of MiniGrid. XLand-Minigrid is written in JAX, designed to be highly scalable, and can potentially run on GPU or TPU accelerators, democratizing large-scale experimentation with limited ...

Produkt XLand-MiniGrid, Istorija, 2024 Anons produkta. Istorija 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 ...

Alexander Nikulin. Hi there! I am a PhD student at MIPT, studying Offline Reinforcement Learning.I'm also working as a Senior Research Scientist at AIRI, publishing papers and supervising students fore AIRI, I worked at Tinkoff AI.I'm best known for my work as a core developer of the CORL library and the XLand-MiniGrid environment. Before that, I completed a ...

?????813?,??16?,??13???XLand?????????MiniGrid?????????????,?????XLand-MiniGrid,????????????????????? ??????XLand-MiniGrid??JAX???,?????????????,???????GPU?TPU??????,????????????? ...

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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XLand-MiniGrid is a suite of tools, grid-world environments and benchmarks for meta-reinforcement learning research inspired by the diversity and depth of XLand and the simplicity and minimalism of MiniGrid. Despite the similarities, XLand-MiniGrid is written in JAX from scratch and designed to be highly scalable,

democratizing large-scale ...

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XLand-Minigrid is written in JAX, designed to be highly scalable, and can potentially run on GPU or TPU accelerators, democratizing large-scale experimentation with limited resources. To demonstrate the generality of our library, we have implemented some well-known single-task environments as well as new meta-learning environments capable of ...

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In XLand-MiniGrid, the system of rules and goals is the cornerstone of the emergent complexity and diversity. In the original MiniGrid some environments have dynamic goals, but the dynamics are never changed. To train and evaluate highly adaptive agents, we need to be able to change the dynamics in non-trivial ways. ...

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