The MEV Letter

is a weekly collection of papers, articles and resources related to MEV. The intention of this letter is to provide a comprehensive summary of the latest research, discussions, and developments in the space, with links for further reading.

See our [Transparency Reports](#) for deeper dives into updates related to Flashbots.

Papers & Articles

- [Merge Anniversary - A Year In Review](#)by [Fred](#) and [Danning](#) is a recap of the first year of MEV-Boost and out-of-protocol PBS, covering notable events and metrics from the MEV supply chain.

- [Thread](#) by [Danning](#)

- [Thread](#) by [Danning](#)

- [Realigning block building incentives and responsibilities - Block Negotiation Layer](#)by [Łukasz Miłkowski](#) introduces the Block Negotiation Layer

to allow proposer to define the type of block content they are willing to propose.

- [Designing Multi-Dimensional Blockchain Fee Markets](#) by [Emperor](#) explore the [Dynamic Pricing for Non-fungible Resources](#)-paper by [Theo Diamandis](#), [Alex Evans](#), [Tarun Chitra](#) and [Guillermo Angeris](#) which proposes a methodology for dynamic pricing of blockchain resources such as computation, bandwidth, and storage.

- [Understanding "Towards a Theory of MEV II"](#) by [Emperor](#) review the [Towards a Theory of MEV II: Uncertainty](#)-paper by [Tarun Chitra](#) [paper](#) with the aim to develop a general theory around payoffs in decentralized networks.

- [Part I](#) by [Emperor](#)

- [Part I](#) by [Emperor](#)

- [Intents Aren't Real](#) by [apriori](#) provides a summary of the presentations held during[Intents Day](#).

- [Thread](#) by [apriori](#)

- [Thread](#) by [apriori](#)

- [What is a sandwich attack?](#) by [Matcha](#) gives an overview of how sandwich attacks work and how Matcha Auto can be used to protect user transactions.

Posts & threads

- [EthGlobal NY Hackathon - Sept 22 – 24](#)by [dmarz](#) presents Flashbots challenges in the upcoming[EthGlobal NY hackathon](#) taking place this weekend.

- [Stephy](#) published [a thread](#) exploring the modular landscape with a focus on infrastructure providers and interoperability.

- [Part 1](#) by [Stephy](#)

- [Part 1](#) by [Stephy](#)

- [sstrenev](#) published [a thread](#) on how searchers extract MEV by calling the skim()

method of the stETH/WETH Uniswap V2 pool in the block following the daily stETH rebase.

Talks & Discussions

- [Recordings](#) have been uploaded from [Rust x Ethereum Day 2023](#) – a day dedicated to Ethereum developer tools, libraries, and products written in Rust.

- [Thread](#) by [Georgios Konstantopoulos](#)

- [Thread](#) by [Georgios Konstantopoulos](#)

- [0xReserach: SUPERHIGHWAY TRADING: The Fastest Blockchain Distribution Network](#) invites [Uri Klarman](#) to talk about the current MEV landscape, emerging trends, and how things may evolve from here.

- [The Delphi Discussion: Anoma's Christopher Goes: Intents Are Real](#) is joined by [Christopher Goes](#) to explore Anoma and how intents, rather than transactions, could become the primary interface for blockchain applications.

Other

- [mev-build-rs](#) by [stokes](#) is an early alpha release of a block builder, built as an extension to the [reth](#) EL-client.

- [Documentation](#)

- [Talk: reth Block Builder](#) at [Rust x Ethereum Day](#) by [Jacob Kaufmann](#)

- [Documentation](#)

- [Talk: reth Block Builder](#) at [Rust x Ethereum Day](#) by [Jacob Kaufmann](#)

- [tee-builder](#) by [Automata Network](#) is an implementation of a block builder running inside of an encrypted enclave, ensuring confidentiality of transactions before the block is proposed.

- [Thread](#) by [Automata Network](#)

- [Thread](#) by [Automata Network](#)

- [Emily](#) by [diego](#) is a specialized protocol designed to facilitate and manage credible commitments on Ethereum.

- [PBS commitment sample](#)

- [PBS commitment sample](#)

- [awesome-rollup-economics](#) by [Nilufer Okay](#) is a list of resources related to the economics of rollups.

- [First LOL - Insightful Leaderboard](#) and [First LOL - Gas claims Estimator](#) by [Praveen](#) provides an alternative dashboard and gas estimator for the [first.lol](#) MEV game on [Zora](#).

- [Forum post](#) by [Praveen](#)

- [Forum post](#) by [Praveen](#)

[Sign up here

](https://forms.gle/Qr6MEUkVa13TDipW6) if you'd like to get The MEV Letter straight to your inbox!

[Previous editions of The MEV Letter](#)

[Join Flashbots

](https://www.flashbots.net/jobs)