

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.

Papers & Articles

- [Timing Games: Implications and Possible Mitigations](#) by [Caspar](#) and [Mike Neuder](#) explores the consequences, and potential mitigations, of timing games by block proposers.
- [Post](#) by [ethresearchbot](#)
- [Post](#) by [ethresearchbot](#)
- [Empirical Analysis of Cross Domain CEX <> DEX Arbitrage on Ethereum](#) by [Colin](#) presents data on CEX-DEX arbitrage and the relationships between searchers and builders.
- [Thread](#) by [storm](#)
- [Thread](#) by [storm](#)
- [MEV & The Evolution of Crypto Exchange: Part II](#) by [Benjamin Funk](#) looks at new onchain primitives and how they might impact market structures related to intents, DEXes and MEV.
- [Thread](#) by [Benjamin Funk](#)
- [Thread](#) by [Benjamin Funk](#)
- [Mechanics of intent solving II - Obstructions to Compositionality](#) by [Fabrizio Genovese](#) delves into obstructions to intent compositionality using homotopy theory.
- [How mev-commit enables execution commitment privacy](#) by [Bernardo Magri](#) introduces [mev-commit](#) as a P2P network for credible commitments between actors in the MEV supply chain.
- [Thread](#) by [Primev](#)
- [Thread](#) by [Primev](#)
- [UX WILL BE GUD](#) by [sam.ng](#) dives into the UX challenges of Ethereum's rollup-centric roadmap and potential solutions like account abstraction, intents and SUAVE.
- [MEV 101 : How to dive into MEV](#) by [ywzx](#) provides an overview of challenges and open questions related to MEV.
- [Thread](#) by [vita](#)
- [Thread](#) by [vita](#)
- [Crypto AI Agents: The First-Class Citizens of Onchain Economies](#) by [Mason Nystrom](#) explores how onchain autonomous AI agents might evolve to handle more complex tasks.
- [Post](#) by [Mason Nystrom](#)
- [Post](#) by [Mason Nystrom](#)
- [The 2023 Sequencing Map](#) by [Peteris Erins](#) maps out actors and trends in the sequencing landscape.
- [Thread](#) by [Peteris Erins](#)
- [Thread](#) by [Peteris Erins](#)

Posts & Threads

- [SUAVE Treasure Map with Bankless, Phil Daian, and Andrew Miller](#) by [Reid Yager](#) provides a summary and excerpts from the recent [Bankless episode on SUAVE](#).
- [Robert Miller](#) published a [thread](#) with findings from investigating a searcher performing blind backruns on private orderflow deep in blocks.
- [PropellerHeads](#) published a [thread](#) to recap their highlights from Devconnect Istanbul, including talks, panels, and the [UNISUAVE Researchathon](#).

Talks & Discussions

- [Nethermind Summit Istanbul:](#)
- [Deconstructing PBS in the L2 landscape](#) by [Quintus Kilbourn](#) looks at the history of PBS on Ethereum and evaluates PBS design on L2s.
- [Slides](#)
- [Slides](#)
- [Shutterized Gnosis Chain](#) by [Jannik Luhn](#) provides an overview of how [Shutter Network](#) seeks to prevent frontrunning on Gnosis chain by using a threshold cryptography.
- [Deconstructing PBS in the L2 landscape](#) by [Quintus Kilbourn](#) looks at the history of PBS on Ethereum and evaluates PBS design on L2s.
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- [Shutterized Gnosis Chain](#) by [Jannik Luhn](#) provides an overview of how [Shutter Network](#) seeks to prevent frontrunning on Gnosis chain by using a threshold cryptography.
- [Research Day: Infra Frontiers for Modular](#) by [SevenX Ventures](#)
- [PBS Expansion Pack: Land of L2s](#) by [dmarz](#) explores the rapidly evolving design space of PBS on L2s with the introduction of two new roles, sequencers and provers.
- [Slides](#)
- [Slides](#)
- [Mempool Encryption](#) by [Mohammad Jahanara](#) presents an encrypted MEV supply chain construction to enhance censorship resistance and credible sequencing.
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- [Thread](#) by [Grace Deng](#)
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- [Thread](#) by [Grace Deng](#)
- [Bell Curve: How Appchains Align DEX Incentives](#) invites [Antonio Juliano](#) to discuss how [dYdX](#) approaches MEV, DEX design, batch auctions, appchains and more.
- [Archetype](#) MEV Lunch:
- [Why It's Hard to Enshrine PBS](#) by [Mike Neuder](#) delves into the future of PBS, including trustless relays, cryptographic enhancements, and the challenges of enshrining PBS.
- [Learning to Love Unbundling](#) by [Alex Watts](#) gives an overview of how [FastLane on Polygon](#) disincentivizes sandwiches through unbundling and a random duration auction.
- [The Holy Grail of Order Matching](#) by [Soumya Basu](#) presents a framework for DEX design including benchmarks to compare different mechanisms.
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Other

- [Parsec Explorer](#) is a block explorer supporting multiple EVM chains with custom layouts based on the type of address and chain.
- [Post](#) by [Parsec](#)
- [Thread](#) by [Parsec](#)
- [Thread](#) by [Will Sheehan](#)
- [Post](#) by [Parsec](#)
- [Thread](#) by [Parsec](#)
- [Thread](#) by [Will Sheehan](#)
- [Etherenow](#) by [Blocknative](#) is a transaction explorer with real-time mempool data, metrics on block composition, and historical data extending back to November 2019.
- [Post](#) by [Blocknative](#)
- [Thread](#) by [Blocknative](#)
- [Post](#) by [Blocknative](#)
- [Thread](#) by [Blocknative](#)
- [Eden Public Data](#) by [Eden Network](#) has been extended with data sets from [Mempool Dumpster](#), [MEV-Share](#) and [MEV Blocker](#).
- [ELO Ratings](#) by [libMEV](#) introduce a rating system for searchers skills and performance.
- [Post](#) by [Cryptic Woods](#)
- [Thread](#) by [Cryptic Woods](#)
- [Post](#) by [Cryptic Woods](#)
- [Thread](#) by [Cryptic Woods](#)
- [MEV-BooTEE](#) by [Oana Barbu](#) and [afkbyte](#) is an integrated builder-relayer that runs partial block auctions inside a TEE.

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