

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

- [FRP-35: Pair Trading Opportunities as a form of MEV](#) by [Antero Eloranta](#) analyzes pair trading opportunities on DEXes and how searchers can profit from price discrepancies.
- [Paper](#) by [Antero Eloranta](#)
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- [A Study of MEV Extraction Techniques on a First-Come-First-Served Blockchain](#) by [Burak Öz](#), [Filip Rezabek](#), [Jonas Gebele](#), [Felix Hoops](#) and [Florian Matthes](#) explores how MEV strategies vary between blockchains using FCFS and fee-based sequencing.
- [Value-Capturing Based Rollups with Based Preconfirmations](#) by [Conor McMenamin](#) outlines a protocol which allows for based preconfirmations, while ensuring the based rollup captures much of the value generated from block building.
- [Heuristics for Detecting Censorship](#) by [Potuz](#) gives an overview of relay censorship and presents a set of heuristics that EL-clients could use to detect and counteract censorship.
- [Thread](#) by [Potuz](#)
- [Thread](#) by [Potuz](#)
- [Analyzing Missed Slot Through The Lens of Relays – A potential path for relay incentivization](#) by [ballsyalchemist](#) highlight the lack of incentives for relays and presents possible solutions through a relay mesh network and collecting penalties from proposers that miss their slot.
- [Thread](#) by [ballsyalchemist](#)
- [Thread](#) by [ballsyalchemist](#)
- [Correctly pricing blockspace in a causally parallel world](#) by [Fabrizio Genovese](#) and [Daniele Palombi](#) explores how emerging trends like a parallelized-EVM could impact blockspace pricing, incentive design, and the concept of causality.
- [Flashbots x Axelar - SUAVE Bridge Proposal](#) by [Georgios Vlachos](#) details a proposal for SUAVE to use [Axelar](#) for cross-chain use-cases.
- [The Cross-Domain Thesis Part 3.1: Ordering](#) by [Maven11 Research](#) looks at how Verifiable Sequencing Rules (VSRs) could be used to enforce ordering in a modular, cross-domain world.
- [Uniswap ALM Analysis](#) by [Gauntlet](#) delves into the landscape of Automated Liquidity Management (ALM) on Uniswap by analyzing [Arrakis](#), [Gamma](#) and [Mellow](#).
- [Thread](#) by [Gauntlet](#)
- [Thread](#) by [Gauntlet](#)
- [MEV-aware Information Technology](#) by [magic](#) explores the concept of MEV-aware

protocols and describes how SUAVE provides users with programmable privacy and allows them to capture MEV. [Thread](#) by [magic](#)

- [Thread](#) by [magic](#)
- [Introducing Khalani: The Decentralized Solver Infrastructure](#) by [Kevin Wang](#) presents [Khalani Network](#) as a decentralized solvers infrastructure for intent-driven generative coordination.
- [Thread](#) by [Khalani Network](#)
- [Thread](#) by [Khalani Network](#)

## Posts & Threads

- [Danning Sui](#) published a [thread](#) that categorizes different eras in the block building market and highlights a new trend

with actors that are aggressively subsidizing their bids.

- [SMG](#) published a [thread](#) that details the loss of \$500k from a searcher due to CEX-DEX arbitrage going wrong.
- [Chris Hager](#) published a [post](#) to highlight the upcoming [MEV-Boost v1.7](#) release for Goerli proposers ahead of the Dencun upgrade.
- [Cryptic Woods](#) published a [thread](#) that details how a searcher extracted 155 ETH from backrunning an out-of-range liquidity provision on Uniswap v3.

## Talks & Discussions

- [Recordings](#) have been uploaded from [Columbia CryptoEconomics Workshop 2023](#) with talks and panels on MEV, PBS, restaking and more.
- [Wen Building: Are We Heading Towards the MEV Dystopia? A Deep Dive into the Complexities in MEV Supply Chain & Available Mitigations](#) invites [Danning Sui](#) to give an overview of the current landscape of MEV, OFAs, private mempools and the rise of integrated searcher-builders.
- [Thread](#) by [Antalpha Labs](#)
- [Thread](#) by [Antalpha Labs](#)
- [Scraping Bits: Dimensional MEV: Validators Can Sell Future Blockspace?](#) invites [nate](#) to discuss the benefits and potential risks of having a market for future blockspace.

## Other

- [Titania Research House](#) by [Titania Research](#) is a series of IRL workshops throughout January on the topics of [SUAVE](#), [LVR](#), [PBS](#), [L2 PBS](#) and [relays](#).
- [Thread](#) by [vita](#)
- [Thread](#) by [vita](#)

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