

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

- [Preparing for the Dencun Hard Fork](#) by [Sarah Liu](#) details Flashbots' engineering work ahead of the Dencun upgrade.
- [Ethereum has blobs. Where do we go from here?](#) by [Vitalik Buterin](#) discusses the Dencun upgrade and outlines future direction to improve the scalability of Ethereum.
- [Blob Propagation Issues Mar 27-28th](#) by [Benjamin Hunter](#) provides context of the bug in [bloXroute](#)'s BDN network that caused proposers to miss multiple slots.
- [Post](#) by [Uri Klarman](#)
- [Post](#) by [Michael Sproul](#)
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- [RIG Update #5 — Huddle and ship](#) by [Robust Incentives Group](#) provides an update on their recent publications on issuance curves, rainbow staking, inclusion lists, and more.
- [Reward curve with tempered issuance: EIP research post](#) by [Anders Elowsson](#) provides rationale for adjusting Ethereum's issuance curve, covering both trade-offs and security considerations.
- [Thread](#) by [Anders Elowsson](#)
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- [Issuance Issues — Initial Issue](#) by [Mike Neuder](#) discusses the evolving landscape of staking dynamics and the implications of adjusting the issuance curve in the Electra upgrade.
- [Supporting decentralized staking through more anti-correlation incentives](#) by [Vitalik Buterin](#) explores ways to penalize validators more severely for correlated misbehaviors to discourage consolidation of validators.
- [Inactivity leak under MaxEB \(EIP-7251\)](#) by [dapplion](#) explores how the Beacon Chain maintains network finality in the event of significant validator inactivity, and the implications of EIP-7251.
- [The Road to Account Abstraction on Ethereum](#) by [Christine Kim](#) outlines the progression and challenges of implementing account abstraction, with a focus on ERC-4337 and its adoption.
- [The problem of 7547 and 3074](#) by [Potuz](#) discusses some of the incompatibilities between the current EIPs for account abstraction and inclusion lists.
- [\[RFC\] \[DRAFT\] Anoma as the universal intent machine for Ethereum](#) by [Christopher Goes](#) describes how [Anoma](#) can provide a universal intent machine where intents can be ordered, solved, and settled anywhere in the Ethereum ecosystem.
- [Blob Preconfirmations with Inclusion Lists to Mitigate Blob Contention and Censorship](#) by [Christian Matt](#), [Murat](#), [Kartik Chopra](#), [Evan Kim](#), and [Bernardo Magri](#) presents an out-of-protocol mechanism for blob inclusion to mitigate blob contention and censorship.
- [EthGlobal2024 | Mitigating LVR with UNIV4 hook and a Vickrey auction on SUAVE](#) by [Miha Lotric](#), [Konrad Strachan](#), and [Orest Tarasiuk](#) describes a way to redistribute LVR to LPs through a Vickrey auction mechanism using Uniswap v4 hooks and SUAVE.
- [Compensating Mispricing Risk](#) by [Jonah B. ballsyalchemist](#), and [Dex Chen](#) outlines a design to auction off the right to arbitrage AMMs and redistribute the value to the initial LPs.
- [Understanding MEV & OEV With SEDA & UMA](#) by [SEDA](#) discusses the significance of OEV and how [SEDA](#) and [UMA](#) are designed to redistribute this value.

## Posts & Threads

- [Robert Miller](#) published a [post](#) to highlight the complicated intersections of MEV and the need for thorough testing in

light of the [recent bug](#) in bloXroute's BDN service.

- [Christine Kim](#) published a [thread](#) that argues for reducing the reliance on closed-source software to ensure network health and stability as a response to the [bloXroute BDN bug](#).
- [Potuz](#) published a [thread](#) that reflects on the [recent bug](#) in bloXroute's BDN service and advocates for adopting ePBS as a way to address these issues.
- [NodeKit](#) published a [thread](#) to announce Javelin as a super builder

enabling atomic execution and synchronous composability across rollups.

- [Alex Watts](#) published a [thread](#) introducing Balance Abstraction

designed to enable seamless cross-chain asset management by pooling assets and leveraging execution abstraction via [Atlas](#).

- [Data Always](#) published a [thread](#) to highlight the onboarding of a large number of validators to [Titan](#)'s relay, and reaching a 84% share of exclusive block flow.

## Talks & Discussions

- [Recordings](#) from [mev.market](#) hosted by [Flashbots](#) and [Nethermind](#) have been uploaded:
- [Everything is MEV](#) ([slides](#)) by [Nathan Worsley](#)
- [A History of MEV Discourse](#) ([slides](#)) by [Apriori](#)
- [From Talking about MEV to Building the Markets for the Next Millennia](#)([slides](#)) by [Tomasz K. Stańczyk](#)
- [The Endgame: 3 Years Later](#) ([slides](#)) by [Vitalik Buterin](#)
- [Panel | Big & Small Node: Balancing Performance and Decentralization](#) moderated by [Quintus Kilbourn](#), with [Mustafa Al-Bassam](#), [Joe Andrews](#), [Josh Bowen](#), [Vitalik Buterin](#), [Lev Livnev](#) and [Ye Zhang](#)
- [United Chains of Ethereum](#) ([slides](#)) by [Justin Drake](#)
- [Execution Tickets and MEV Distribution in Based Sequencing](#)([slides](#)) by [Ellie Davidson](#)
- [L2 Proposer and Builder Election Mechanisms](#) ([slides](#)) by [Conor McMenamin](#)
- [Economics of Shared Sequencing and Separate Sequencing](#)([slides](#)) by [Jan Christoph Schlegel](#)
- The Great Sequencing Debate ([slides](#)) moderated by [Ellie Davidson](#)
- [Round 1 Shared vs. Non-shared: Justin Drake](#) vs. [Dankrad Feist](#)
- [Round 2 Based vs. Non-based: Justin Drake](#) vs. [Josh Bowen](#)
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- [The CAKE Framework](#) ([slides](#)) by [Ankit Chiplunkar](#) and [Stephane Gosselin](#)
- [SUAVE: a Big Node Framework?](#) ([slides](#)) by [Dmarz](#)
- [Panel | Application Specific Sequencing](#) moderated by [Justin Drake](#), with [Apriori](#), [Robert Miller](#), [Stephane Gosselin](#) and [Hart Lambur](#)
- [Everything is MEV](#) ([slides](#)) by [Nathan Worsley](#)
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- [Recordings](#) from [Chain Abstraction Day](#) hosted by [Agoric](#), [Frontier Research](#), and [NEAR Foundation](#) have been uploaded with talks and panels unpacking the chain abstraction thesis.
- [Matcha 0G Lounge Interview](#) by [Matcha](#) invites [Danning Sui](#) and [Amir Bandeali](#) to discuss DeFi, DEX design, market structures, and the future of MEV.
- [The Rollup:](#)
- [The Business Logic Of RaaS & Shared Sequencers](#) invites [Josh Bowen](#) to explore shared sequencing, the business logic of RaaS, and [Astria](#).
- [Where Espresso Fits In The Modular Thesis](#) invites [Ellie Davidson](#) to discuss shared sequencing, the shill bidding problem, and [Espresso](#).
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- [Ethereum Sequencing and Preconfirmations Call #4](#) hosted by [Justin Drake](#) invites [Cooper](#) for a presentation on the potential transition of [Aztec](#) to a based rollup and the implications on performance, sovereignty, and governance.
- [Notes](#) from [Drew Van der Werff](#) and [Sam Jernigan](#)
- [Notes](#) from [Profesor Utonio](#)
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- [Notes](#) from [Profesor Utonio](#)
- [Scraping Bits: MEV Searcher Team Breaking Into Block Building](#) invites [Connor](#) to discuss ways to identify profitable MEV strategies, ethical considerations, and their journey into block building.
- [What is Execution Abstraction?](#) by [Alex Watts](#) explores execution abstraction, the value it adds to users and applications, and [Atlas](#).
- [Thread](#) by [Atlas](#)
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- [Execution Layer Meeting 184](#) hosted by [Tim Beiko](#) includes a discussion on the [recent bug](#) in bloXroute's BDN service, a presentation by [storm](#) on [Ethereum's state & history growth](#), and more.
- [Agenda](#) by [Tim Beiko](#)
- [Notes](#) by [Tim Beiko](#)
- [Notes](#) by [Christine Kim](#)

- [Slides](#) by [storm](#)
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- [Notes](#) by [Christine Kim](#)
- [Slides](#) by [storm](#)
- [BuidlGuidl “What’s Going on Onchain”](#) invites [Matt Cutler](#) to discuss onchain metrics following the Dencun upgrade, and a walk through of [Ethernw](#)

## Other

- [Is it hard to give away money?](#) by [Leonardo Arias](#) asks about the philosophical and practical aspects of giving away money.
- [Weaving an open research journal](#) by [Leonardo Arias](#) is the start of an open redistribution research journal to study MEV disequilibrium.
- [CIP-Draft: MEV Blocker fees](#) by [Andrea Canidio](#) propose a set of new policies and criteria for builders receiving order flow from [MEV Blocker](#).
- [Xatu](#) by [ethPandaOps](#) has been open sourced and is now publicly available with detailed data on beacon chain events, mempool activity, and canonical chain events.

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