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.

# Papers & Articles

- [Validator Timing Game Post EIP4844](#) by [Terence Tsao](#) explores the potential timing games proposers might engage in after EIP-4844 and the consequences for the network.

- [Dynamic Fees for Automated Market Makers: Liquidity, Volatility, and Collected Fees](#) by [atiselsts.eth](#) and [Brokkr](#) study the relationship between liquidity, volatility, and collected fees by simulating dynamic fees in Uniswap v4.

- [Make Ethereum Cypherpunk Again](#) by [Vitalik Buterin](#) delves into the vision underlying Ethereum to build a more free and open society and economy.

- [Money For Nothing](#) by [rekt](#) describes how a searcher managed to extract 578 ETH by backrunning a transaction that added out-of-range liquidity for a Uniswap v3 pool.

- [Post](#) by [rekt](#)

- [Post](#) by [PeckShieldAlert](#)

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- [EigenPhi](#) published a series of articles that highlight trends and events in the MEV landscape of 2023.

- [From Cross-Chain to Whitehat: Unveiling the Tactics and Opportunities in the Spotlight of MEV Arbitrage](#)

- [Special Feature: Behind the Blocks - Navigating the Silent Power Shifts in the MEV Supply Chain](#)

- [Blueprint Conversations of DeFi's Future: Profits, Protocols, and Power Dynamics Unveiled](#)

- [Crypto Capers: Exposing High-Stakes Exploits and Advanced Defenses](#)

- [Strategy Playbook: Mastering 2023's Pioneering DeFi Trading Tactics](#)

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# Posts & Threads

- [Vitalik Buterin](#) published a [thread](#) that outlines an updated Ethereum roadmap, [The Scourge](#) has been redesigned since [last year](#) with an MEV track

and a Staking economics/experience track

. * [Annotated Ethereum Roadmap](#) by [Dom](#)

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- [Thomas Thiery](#) published a [thread](#) that summarizes [Strategic Bidding Wars in On-chain Auctions](#) which analyzes how latency, orderflow, and auction design aspects affect bidding performance and strategy effectiveness in MEV-Boost.

- [Nitanshu](#) published a [thread](#) that details an order matching algorithm that enables matching for encrypted orders through BFV homomorphic encryption.

- [Data Always](#) published a [post](#) with an animated visual that highlights the trend toward winning bids being received later in the slot.

- [Toni Wahrstätter](#) published a [post](#) on attestation inclusion for validators in December compared to data from July.

- [Max Resnick](#) published a [post](#) that examines the proposed benefits of MEV Burn and argues that a more favorable tax situation for proposers is the only advantage.

- [Norswap](#) published a [thread](#) that summarizes SUAVE as a privacy chain that enables MEV-time applications to be deployed onchain.

# Talks & Discussions

- [Scraping Bits](#):

- [Telegram Bot Snipes LPs 90% Before All Of Ethereum's MEV Bots](#) invites [Banana Gun](#) to discuss the rise of Telegram bots and the impact they have on the landscape of DeFi and MEV.

- [Bridging Cross-Chain Intent Bundles w/ Composable; Intent MEV Solvers](#) invites [Omar Zaki](#) to explore the future of cross-chain, composable intents.

- [Telegram Bot Snipes LPs 90% Before All Of Ethereum's MEV Bots](#) invites [Banana Gun](#) to discuss the rise of Telegram bots and the impact they have on the landscape of DeFi and MEV.

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- [Bell Curve](#): [Fee Markets: How Blockchains Price Scarce Resources](#) invites [Sam Hart](#) and [Pranav Garimidi](#) to discuss the past, present, and future of blockchain fee markets.

# Other

- [timing.pics](#) by [Toni Wahrstätter](#) provide insights into when winning bids are selected by proposers and the correlation with missed slots.

- [Post](#) by [Toni Wahrstätter](#)

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