hiya! in response to [this tweet](), i wrote down a non-exhaustive list of resources for cross-domain MEV & aggregated previous internal lists i created. welcome additional contributions <3

Essential

- [[2112.01472] Unity is Strength: A Formalization of Cross-Domain Maximal Extractable Value]()

- [https://youtu.be/uR0Z0nWXeFU]() subsequent workshop on the paper

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- [https://youtu.be/dv5-Lzntv5M]()

- [https://vitalik.ca/general/2021/12/06/endgame.html]() by [@vbuterin]()

- [https://westerngate.xyz]() by [@sam]() & team

- [Pay To Win: Cheap, Crowdfundable, Cross-chain Algorithmic Incentive Manipulation Attacks on PoW Cryptocurrencies]()

Cosmos

- [https://gateway.pinata.cloud/ipfs/QmWXkzM74FCiERdZ1WrU33cqdStUK9dz1A8oEvYcnBAHeo]() Cosmos Atom 2.0 paper (see Interchain Scheduler)

- [whitepaper/whitepaper.pdf at main · anoma/whitepaper · GitHub]() Anoma whitepaper

- [Heterogeneous Paxos and Multi-Chain Atomic Commits | Blog - Anoma]() by Isaac Sheff (Anoma)

- [https://youtu.be/DZ4EIGrXWqM]()

- [Zenith Documentation]() Mekatek's Zenith

Ethereum L2s:

- [SoK: Validating Bridges as a Scaling Solution for Blockchains]()

- [https://youtu.be/PozxpQjgLDY]()

- [https://youtu.be/qxml80TparY]()

- [https://youtu.be/UsdtvHboGJk]()

On oracles & cross-chain communication:

- SoK: Communication Across Distributed Ledgers, [paper](), [video]()

- [The tradeoffs of cross-chain communication]() related article by Lakshman Sankar

- [The tradeoffs of cross-chain communication]() related article by Lakshman Sankar

- Augur v2 [whitepaper]() — for oracles

- [https://youtu.be/jCKumKWtYVQ]()

- Article on Nil foundation work building a trustless state verification across Ethereum-Solana, [https://blog.nil.foundation/2021/10/14/solana-ethereum-bridge.html]()

- they have a few articles on building this bridge and the Mina-Ethereum bridge, very good

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- [Optimizing cross-chain swaps - Layer 2 - Ethereum Research]()

- [https://youtu.be/qUAyW4pdooA]() ,a talk by Dan Robinson on hash-time locked contracts and their downfalls

- [Outlining a standard interface for cross-domain ERC20 Transfers - EIPs - Fellowship of Ethereum Magicians]()

- [Defining L2 Interoperability: A First Attempt - Layer 2 - Ethereum Research]()

On bridges:

- [https://youtu.be/ZQJWMiX4hT0]() by James Prestwich

- [Clusters: how trusted & trust-minimized bridges shape the multi-chain landscape]() by Mustafa Al Bassam

- https://www.youtube.com/watch?v=F_zi9oToHtU&list=PLRHMe0bxkuel3w3C7P_WVvp9ShLi3HKRI&index=36&ab_channel=Flashbots

- Other projects' designs to check out — although you'll find they're all just different designs on the cross-ledger communication tradeoff

- https://hop.exchange/whitepaper.pdf Hop bridge whitepaper

- https://youtu.be/Ko124ASzKrw

- https://youtu.be/Ko124ASzKrw

- https://layerzero.network/pdf/LayerZero_Whitepaper_Release.pdf LayerZero whitepaper

- Delta-Solving.The.Bridging-Trilemma (3).pdf

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- Introducing the Cross-Chain Interoperability Protocol (CCIP)

- End-to-End Workflow | Celer Inter-chain Messaging (IM)

- https://wiki.polkadot.network/docs/learn-crosschain

- XCM: The Cross-Consensus Message Format | by Gavin Wood | Polkadot Network | Medium

- whitepaper/whitepaper.pdf at main · anoma/whitepaper · GitHub

- https://youtube.com/channel/UCfhR0KvmbV0yEkxgKnVvUDg ,Burning Bridges podcast by Arjun from Connext

- https://hop.exchange/whitepaper.pdf Hop bridge whitepaper

- https://youtu.be/Ko124ASzKrw

- https://youtu.be/Ko124ASzKrw

- https://layerzero.network/pdf/LayerZero_Whitepaper_Release.pdf LayerZero whitepaper

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Misc

- dAMM, an L2-Powered AMM. A DeFi-friendly L2 AMM | by StarkWare | StarkWare | Medium

- Cross-rollup DEX with smart contracts only on the destination side - Layer 2 - Ethereum Research by Vitalik

- Cross-shard DeFi composability - Sharded Execution - Ethereum Research Oct '19 :')

- https://twitter.com/VitalikButerin/status/1479501366192132099?t=q65E4hRZ2HmG0yySUF4AaQ&s=19

Vitalik on multi-chain/cross-chain

- https://www.binance.org/en/blog/bsc-2022-build-and-build/ Binance L2s yay

- Multi-chain strategy - Protocol Development - Compound Community Forum

- many of the resources in here:https://github.com/flashbots/mev-research/blob/main/FRPs/completed/FRP-16.md…

threads in this forum:

- [We're going to estimate a lower bound of cross-domain MEV](#)

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