SoK: Decentralized Prediction Markets

Jeremy Clark[1][0000−0002−3533−5965]($\boxtimes$) and Nahid Rahman[1][0000−000x−xxxx−xxxx]

[1] Concordia University, Montreal, Canada
j.clark@concordia.ca
[2] Concordia University, Montreal, Canada
nahid.rahman@mail.concordia.ca

Abstract. Abstract goes here.

Keywords: security · cryptography

1 Introductory Remarks

Blah blah blah.

Scope. Blah blah blah.

Contributions. Our primary contributions are as follows.

1. Blah blah blah.
2. Blah blah blah.
3. Blah blah blah.

Test [1]

References

1. Koessler, F., Noussair, C., Ziegelmeyer, A.: Parimutuel betting under asymmetric information. Journal of mathematical Economics **44**(7-8), 733–744 (2008)

Attribute	Ethereum Mainnet	Polygon	Bitcoin
Transaction Latency	∼12–15 sec/block; ∼13 min finality	∼2–5 sec/block	∼10 min/block; ∼60 min finality
Bridging Delays	∼7 days (Optimistic Rollups)	∼30 min–3 hrs (Checkpointing)	∼60 min (Sidechains)
Transaction Costs	High ($1–20+ per tx)	Very low ($0.01–0.05 per tx)	Moderate–high ($1–5+ per tx)
Throughput (TPS)	∼15–30 TPS	∼7,000 TPS (peak)	∼7 TPS
Validator Decentralization	High (∼600,000 validators)	Moderate (∼100–150 validators)	High (large miner base)
Censorship Resistance	High (MEV risk present)	Moderate (checkpoint risk)	High (minimal MEV risk)

Table 1. Comparison of Ethereum Mainnet, Polygon, and Bitcoin on key performance and decentralization attributes.