

## EPISODE SUMMARY

@tim\_roughgarden @josephbonneau @skominers with @alive\_eth @cdixon A tour through top-of-mind blockchain & crypto tech topics, explained by several a16z crypto researchers, including VDFs (verifiable delay functions); zk-rollups, SNARKs, and zero knowledge in general; and others. We quickly zip up and down the stack, and across themes — such as scalability; data availability; reputation and the creator economy, also discussing applications for NFTs and more. Be sure to also subscribe to our YouTube channel — search for 'a16z crypto research' — as well as our newsletter at a16z crypto Substack for more content, and videos from researchers, with overviews of the topics discussed in this episode and beyond.

## EPISODE NOTES

@tim\_roughgarden @josephbonneau @skominers with @alive\_eth @cdixon

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It is based on a conversation that took place a few months ago (on the heels of our a16z crypto research lab announcement), live on Twitter with:

- Tim Roughgarden, Head of Research at a16z crypto and professor in the computer science department at Columbia University;
- Joseph Bonneau, research partner at a16z crypto, who also wrote the textbook on cryptocurrency technologies, pioneered VDFs, and has taught cryptocurrency courses at several top universities; and
- Scott Duke Kominers, research partner at a16z crypto and professor of business administration at Harvard Business School, and a faculty affiliate of the Harvard Department of Economics, who also advises a variety of marketplace businesses, startups, and crypto projects, and serves as an expert on NFT-related matters.
- ...with moderators and general partners Chris Dixon and Ali Yahya.

Be sure to also subscribe to our [YouTube channel](#) — as well as our newsletter at [a16zcrypto.substack.com](https://a16zcrypto.substack.com) — for more related content, and videos from researchers, going deeper on the topics discussed in this episode and beyond...

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Welcome to web3 with a16z, a show about building the next generation of the internet, from the team at a16z crypto — this show is for anyone (whether researcher, developer, engineer, artist, company leader, community manager, entrepreneur or other builder) — seeking to understand, and go deeper on all things crypto and web3: towards a decentralized, community-owned, and creator-owned internet.