This is a semi-public forum for participating in Ethereum's research efforts, including but not limited to:

- Proof-of-Stake

- Scaling solutions

- EVM improvements

- Low-level protocol improvements

- Economics

- protocol economics

- Resource pricing economics

- protocol economics

- Resource pricing economics

- Other second-level features

This is not

the place for:

- generic ethereum discussion. For that visit r/ethereum.

- discussing specific EIPs. For that visit the Ethereum Magicians forum.

- technical questions and ELI5s. For that visit the StackExchange.

If your signal-to-noise ratio gets too low, you will be banned from ethresear.ch

. So please keep discussions information-rich. Posting on this site is accepting releasing your submitted content into the public domain

(CC0).

Forum Features!

1. LaTeX Equations

This forum supports \LaTeX

equations between $dollar signs$. The default LaTeX style is the "inline" style which looks like \sum_{k=0}^n {n \choose k} = 2^n

, in text this is

$ \sum_{k=0}^n {n \choose k} = 2^n $

However, if you start your equation with $$ on it's own beginning and teminating line like,

$$ \sum_{k=0}^n {n \choose k} = 2^n $$

it looks like this

\sum_{k=0}^n {n \choose k} = 2^n

2. Graphviz diagrams

See the documentation for a list of examples to build your graph.

[graphviz engine=dot] digraph { concentrate=true; a[color=red, style=filled, fillcolor=pink]; b[shape=diamond]; a -> b; b -> c; c -> a; d -> c; e -> c; e -> a; a -> e; } [/graphviz]

a a

a

b b

b

a->b a->b

e e

e

a->e a->e

c c

c

b->c b->c

c->a c->a

d d

d

d->c d->c

e->c e->c

3. YUML diagrams

YUML diagrams allow making nice little graphs within your posts.

They have an idiosyncratic but fairly simple markup language.

Example:

[yuml] [foo{bg:cornsilk}]--[baz] [foo]->[bar{bg:orange}] [baz]-.->[qux] [qux]--label>[bar] [/yuml]

[yuml] [Vote Message|+Source hash;-Source height;+Target hash;-Target height|+Withdraw();+Last_commit] [/yuml]

4. Images!

Unsurprisingly, we also support images.

[

u1

614×800 57.9 KB

](https://ethresear.ch/uploads/default/original/1X/f155892dd1d8921e9afeb4407aa241d16a6a0c84.jpg)

Useful sites

- Ethereum dot org - https://ethereum.org/
- Upgrading Ethereum by Ben Edgington - https://eth2book.info/