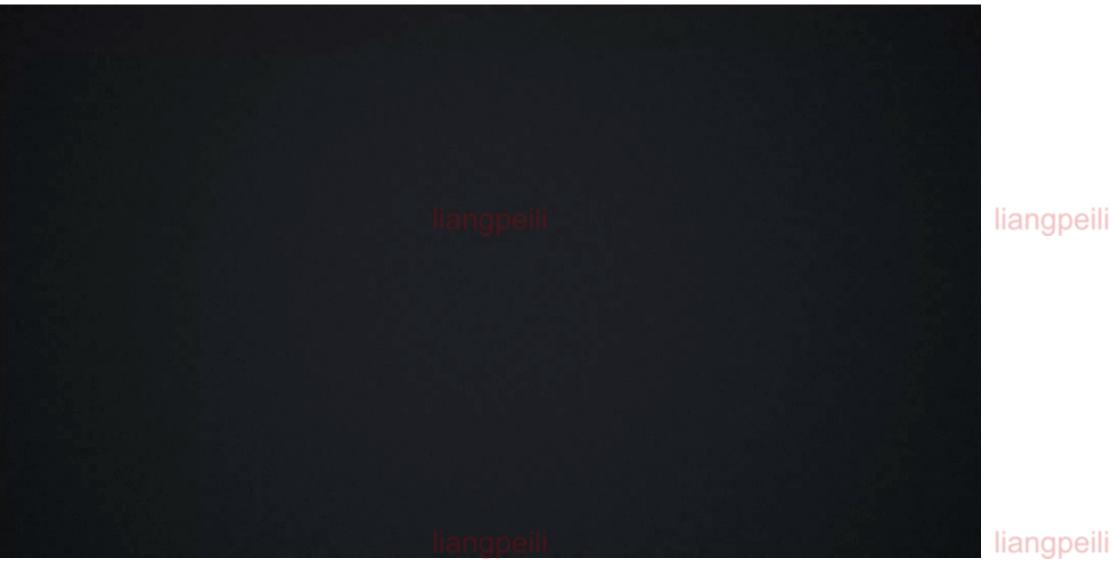
Uniswap V3



Uniswap V3 简介

- 2021年5月,Uniswap V3 发布;
- 主要特性:
- liangpeili• 增加集中流动性;
 - 优化手续费设置;
 - TWAP 优化;
 - 改进开源协议;

集中流动性



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集中流动性

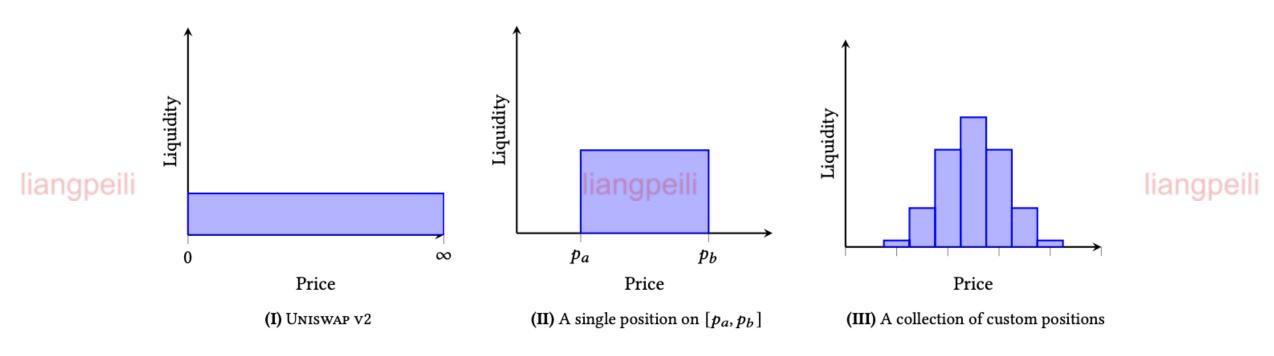


Figure 3: Example Liquidity Distributions

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集中流动性

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资金利用率的提升

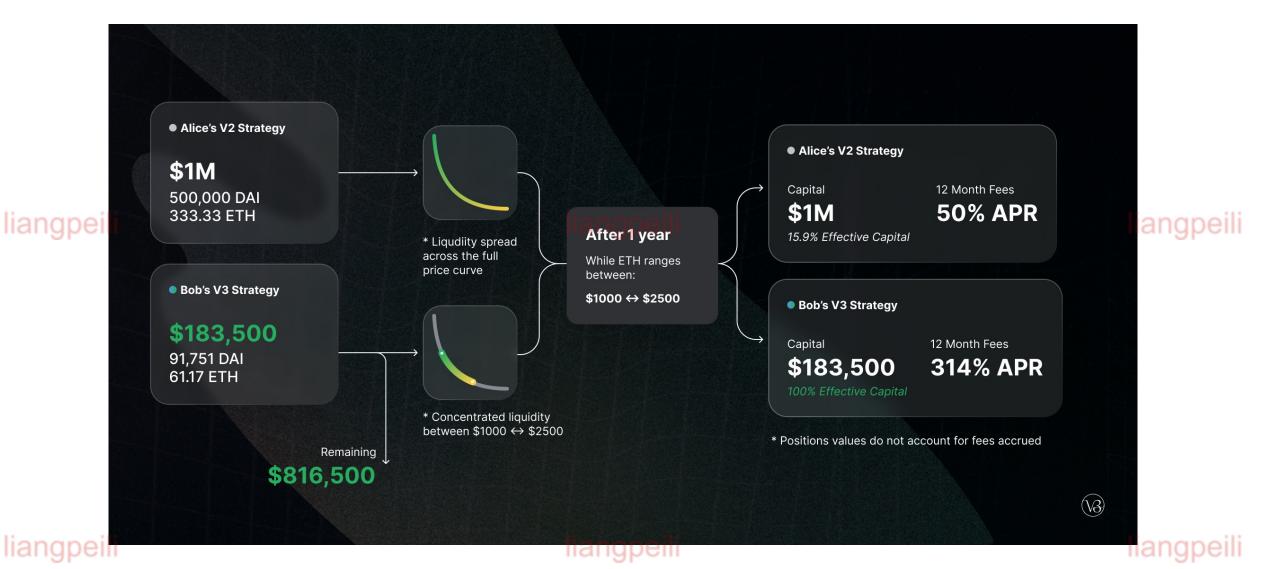
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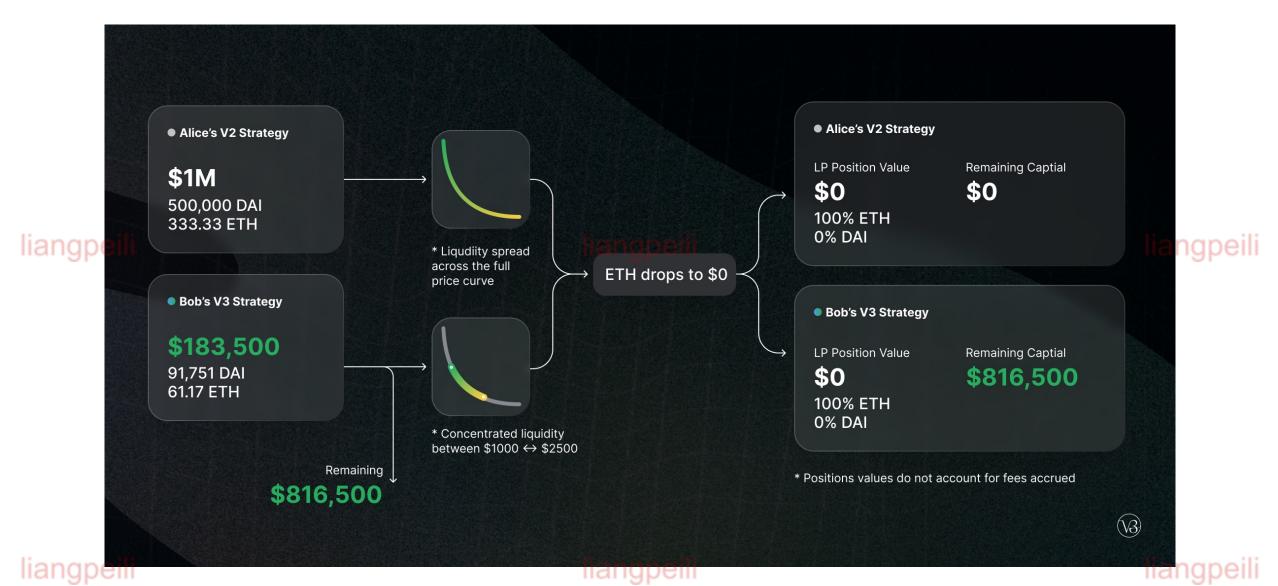
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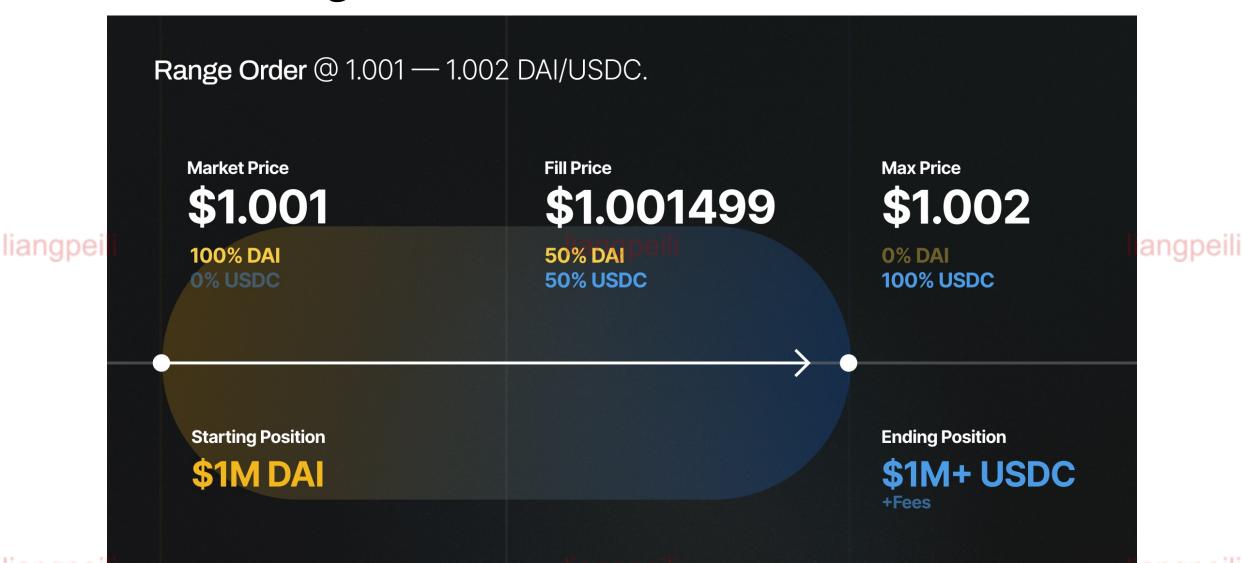
资金利用率的提升



资金利用率的提升



使用 Range Order 作为限价订单



手续费的收取

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- 针对不同的交易对,设置不同的梯度
- 0.01%, 0.05%, 0.30% 和 1.00%
- 管理费可以收取手续费的10%-25%

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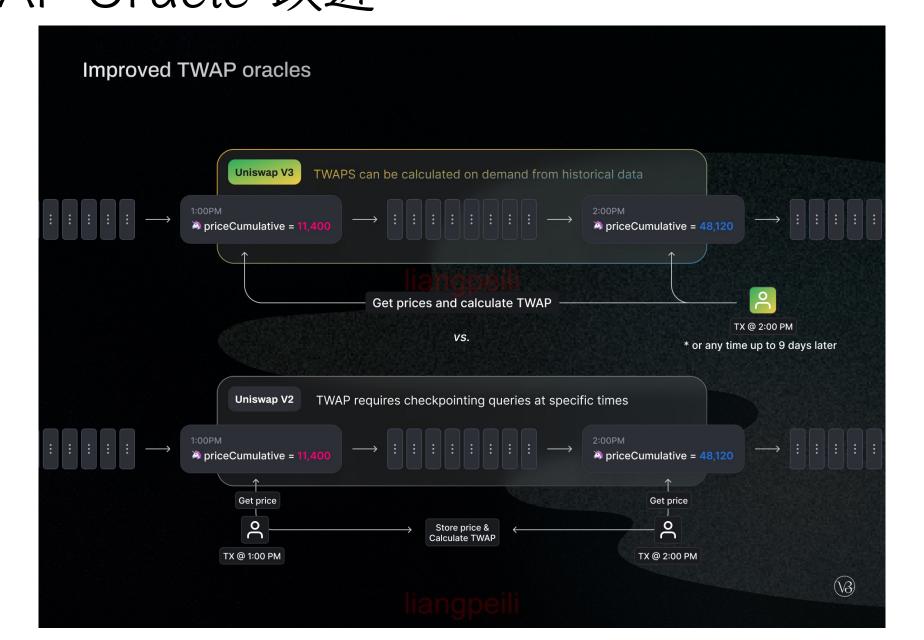
Active Liquidity



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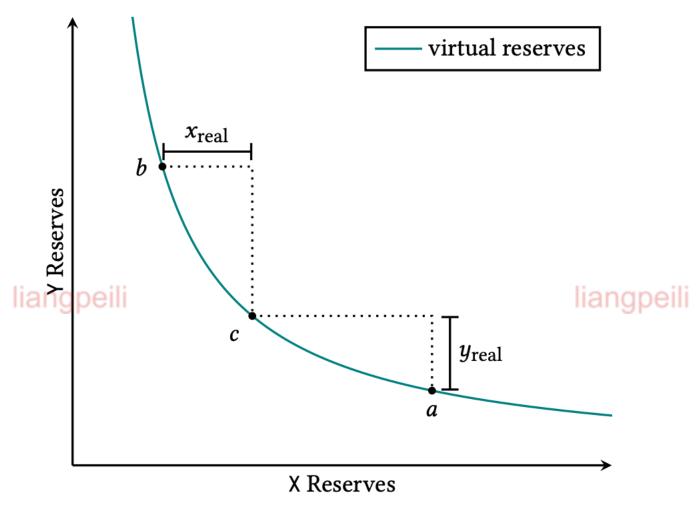
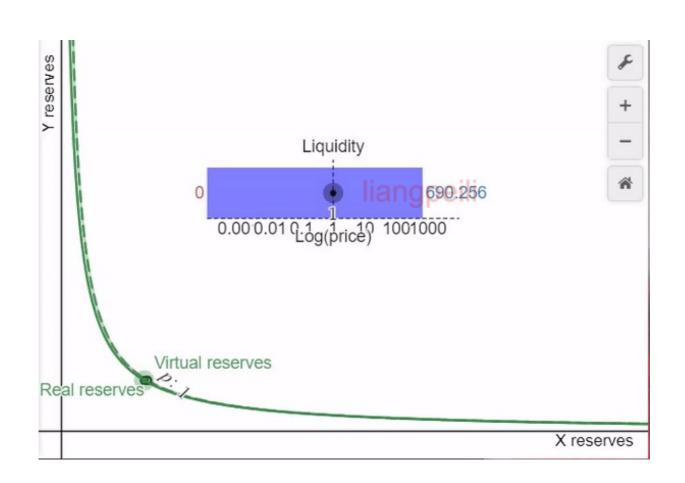


Figure 1: Simulation of Virtual Liquidity

虚拟流动性

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参考资料

- Introducing Uniswap v3
- <u>Uniswap/v3-core</u>: Dore smart contracts of Uniswap v3 (github.com)
- liangpeiuniswap-v3-liquidity-math.pdf (atiselsts.github.io)

- Uniswap v3 Core
- Uniswap v3 liquidity formula explained I by Atis E I Medium
- Uniswap v3 Math I Desmos