Fu Gazi Optimal input wating: Optimal output vouting: Dynamic Fee (Tbuy, Tsell) Phid Pask default default

$$AD^{n'} = AD^{n} + \left(\frac{D}{n}\right)^{n}$$

$$\frac{A}{A} \leftarrow A_0 \cdot \frac{T}{D}_{\eta}^{\eta}$$

$$\frac{A_{o} \cdot \frac{TI \times i}{\left(\frac{P}{n}\right)^{n}} \cdot \sum_{x} x_{i} + TX_{i}}{\left(\frac{P}{n}\right)^{n}}$$

$$= A \cdot \frac{TT^{*i}}{(P)^{n}} \cdot D^{n} + (P)^{n}$$

$$\frac{(P)^{n}}{(n)^{n}} \cdot \frac{(P)^{n}}{(n)^{n}} \cdot \frac{(P)^{n}}{(n)^{n}$$

$$\frac{A}{D} \cdot \frac{n}{D} \cdot \sum_{x_i} x_i + 1 = A_s \cdot n^r + \frac{D^r}{n^r \pi x_i}$$

$$A_0 \cdot n' \sum x_i + D = A_0 \cdot n'' D + \frac{D''}{n''} \cdot \frac{D}{\pi x_i}$$

What Do We Want to Investigate?
Fere = 0.05 ~ 1 (%)
Block Time = 12 or (15)
Volatility = [nst or Rol. (daily)
Volatility = Enst or Rol. (daily) Mispricing. = log (refp) ammp).
7 = log (1+ fee) 8,2
Block Time 20.003
= Y × — Dan
$\int \frac{1}{\sqrt{2\lambda}} = \frac{1}{\text{Bock-Time}}$
$= \sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$
$\begin{array}{c c} & & & \\ \hline & & & \\ \hline & & & \\ \hline \end{array}$
log(1,003)/
0.05x 0.05x
24x60x60
× 0, vo 3

Misp	ricity distribution.
ARB/V	(P) - 7 - 7
= 0 <sup>2</sup>	$\times P_{\text{trade}} \times \frac{e^2 + e^2}{2x/1}$
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
LVR/V	(P) = -8.
Vealizel	J LVR
LVR	
	ARB
	sas fee
	Volatility.

Goal # 1. Charle if the prediction works well.  (Fee-LUR)/V(P).  Filter the trades ay  LVR - Fee - Gras > 0.  See distribution.  Theoretical Estimates.  MMR  MMR  MMR  Empirical.
LVR - Fee - Gras > 0.  See distribution.  Theoretical Estimates.  MMRZ  MMR
Theoretical Estimates.  MMRZ  MMR
MMRZ
MMR
- in prical.
What Makes the difference?
Glas Cost, Pool Size. V2,
High Gas vs Low Gas.

Gowl #	2. Whid	n Pool	Should	[ ape into?
ET4-US	DPool			
(MACNNET)			lack	
V2	TDAT			Fee-LVR) 4t
	- USDC		J	
	USDT			Rotail
				-> Retail vs.
V 3	DAT	USDC	USDT.	Arb
0.05				
0.3				
V3				
5 U5Ht	•			
Camelo	•			
Camero				

TOPIC: What Makes Difference?
1/24: Gras Fee  Liquidity (% V(P))
「2220 以の 2mm 2mm 2mm 2mm 2mm 2mm 2mm 2mm 2mm 2m
(ETHXXX or XXX ETH only)
Compute Theoretical Numbers. J -> Diff.
Compute Historical Numbers.  Uni V2
filter the Arb-Tx only.  Arb. V2.  (LVR-Fee-Gas >0) Arb. V3
Diff  Jiff.  / color  Diff
by pool ( )
Gas Va
1/21.

