

Write technical report for SenSwap protocol

Assign	T Thành Phương Nguyễn
Source	
Status	To Do
Task	Write

Outline of Technical Report

Introduction

- Introduce the constant ellipse function in its paper.
- The form of ellipse function derived from the general equation.
- The advantage that its author claimed.
- How it can be used in Senswap

Protocol

Swap

- ▼ Define the swap function in the formal equation.
 - When a trader wishes to get ΔA , the contract will calculate a amount ΔB that the trader must pay back to the pool.
 - The marginal price is updated after transaction completed.
- ▼ Provide an example

Liquidity Provision

- ▼ Maintain large amplitude price
- ▼ Keep marginal price unchanged

Single Exposure and Constraint of Liquidity Provision

- ▼ When LPs can provide an arbitrary amount of each token, then a question is that can it be deposited one-side of the pool. The answer is yes but there is an upper bound for the lesser token.
- ▼ Provide an example of attacking single exposure to benefit from the arbitrages.