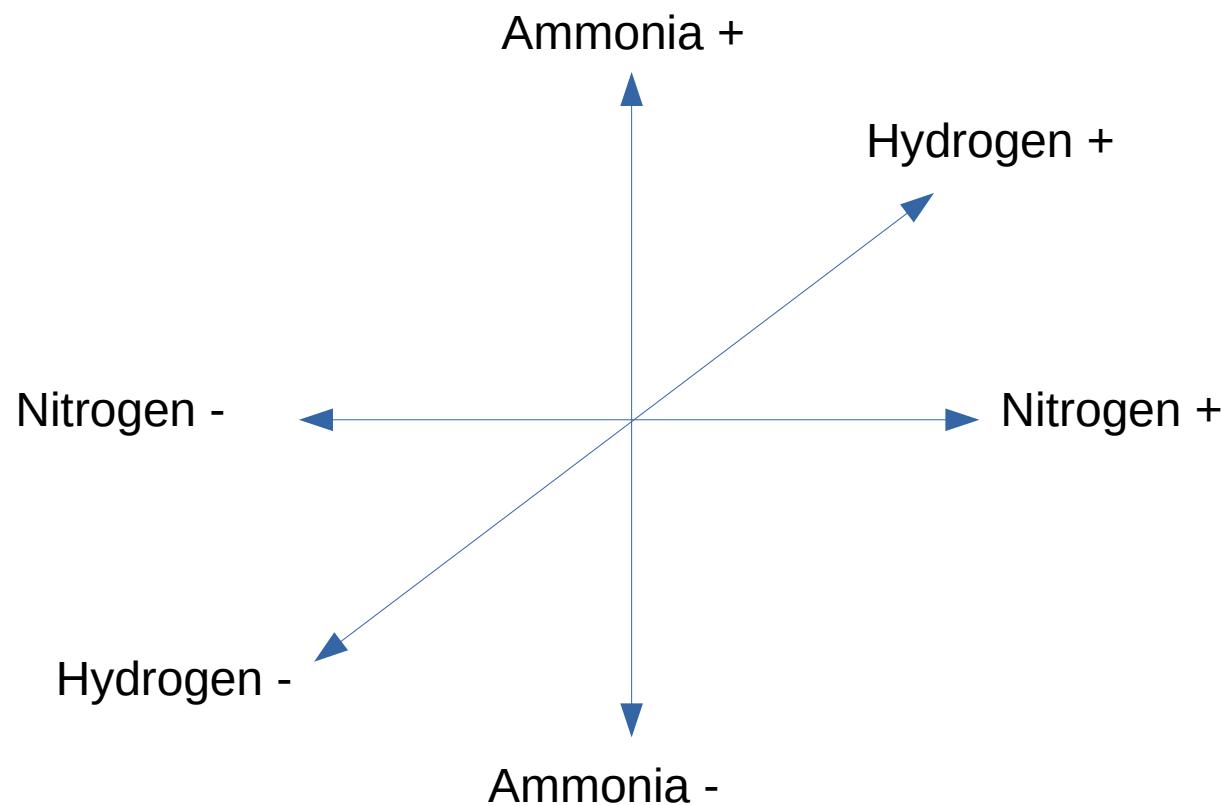


Report 3

Ammonia Positive Cycles

Walkers Class

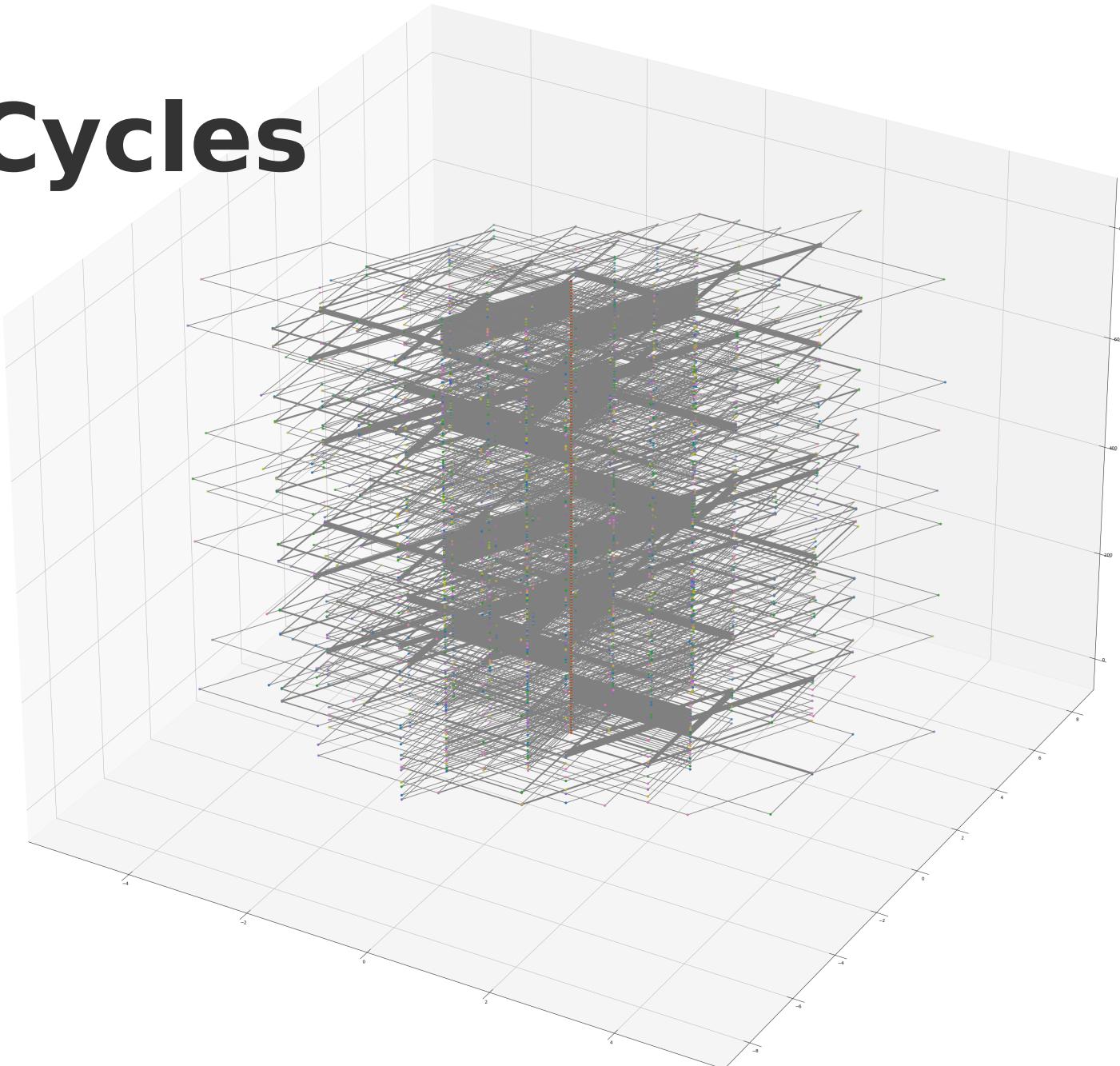
- Objects that move in the stoichiometric space



Breadth First Cycle Search

- Starts at (0,0)
- Not Allowed to return to any visited point except (0,0)
- Topologically equivalent to a circle

Cycles



Maximum Steps (6)

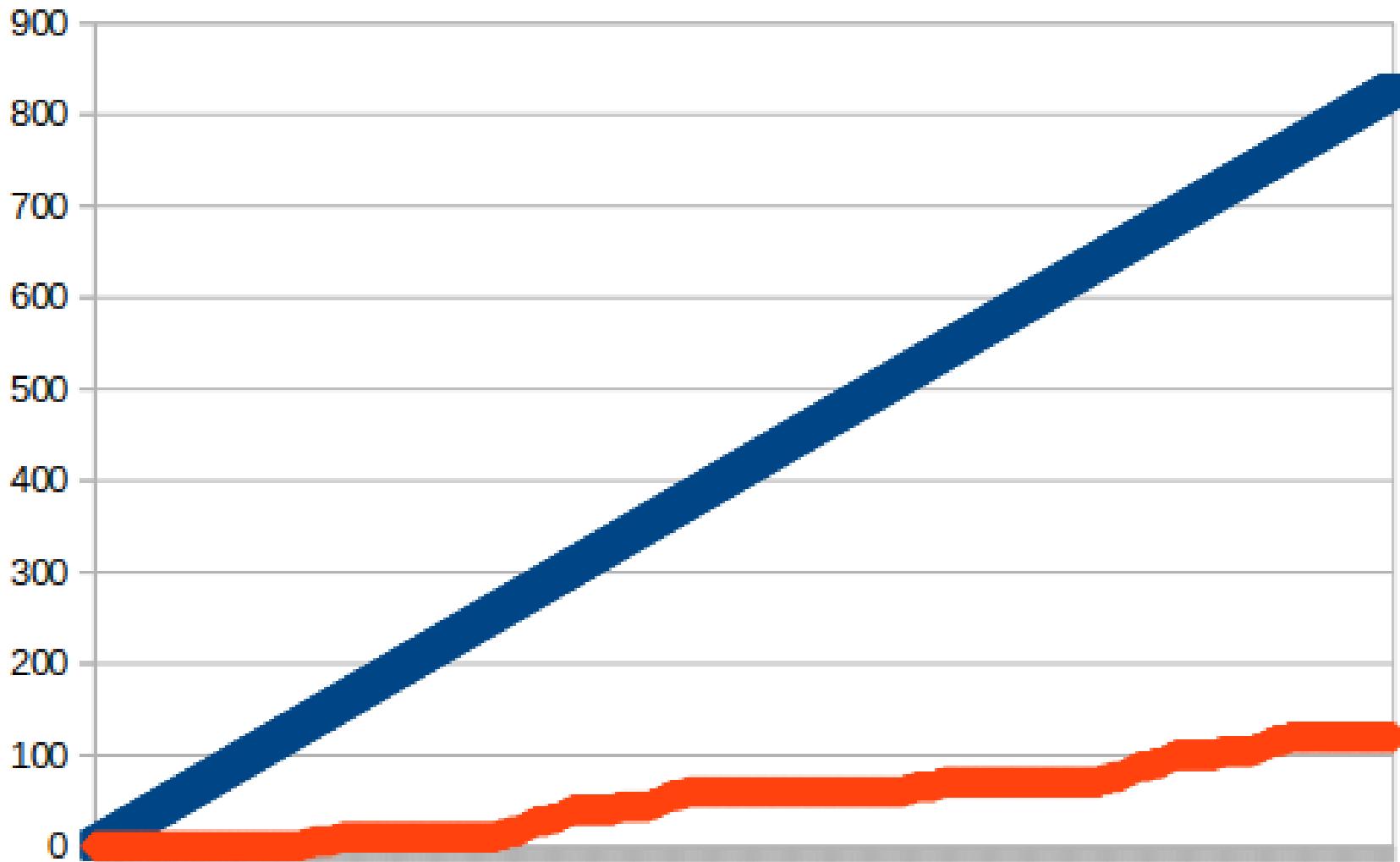
- Minimum steps to get an ammonia producing cycle

Remarks about code

- One nested loop
- RAM data maybe transferred to ROM
- Noticed that windows has GPU excess but Linux doesn't

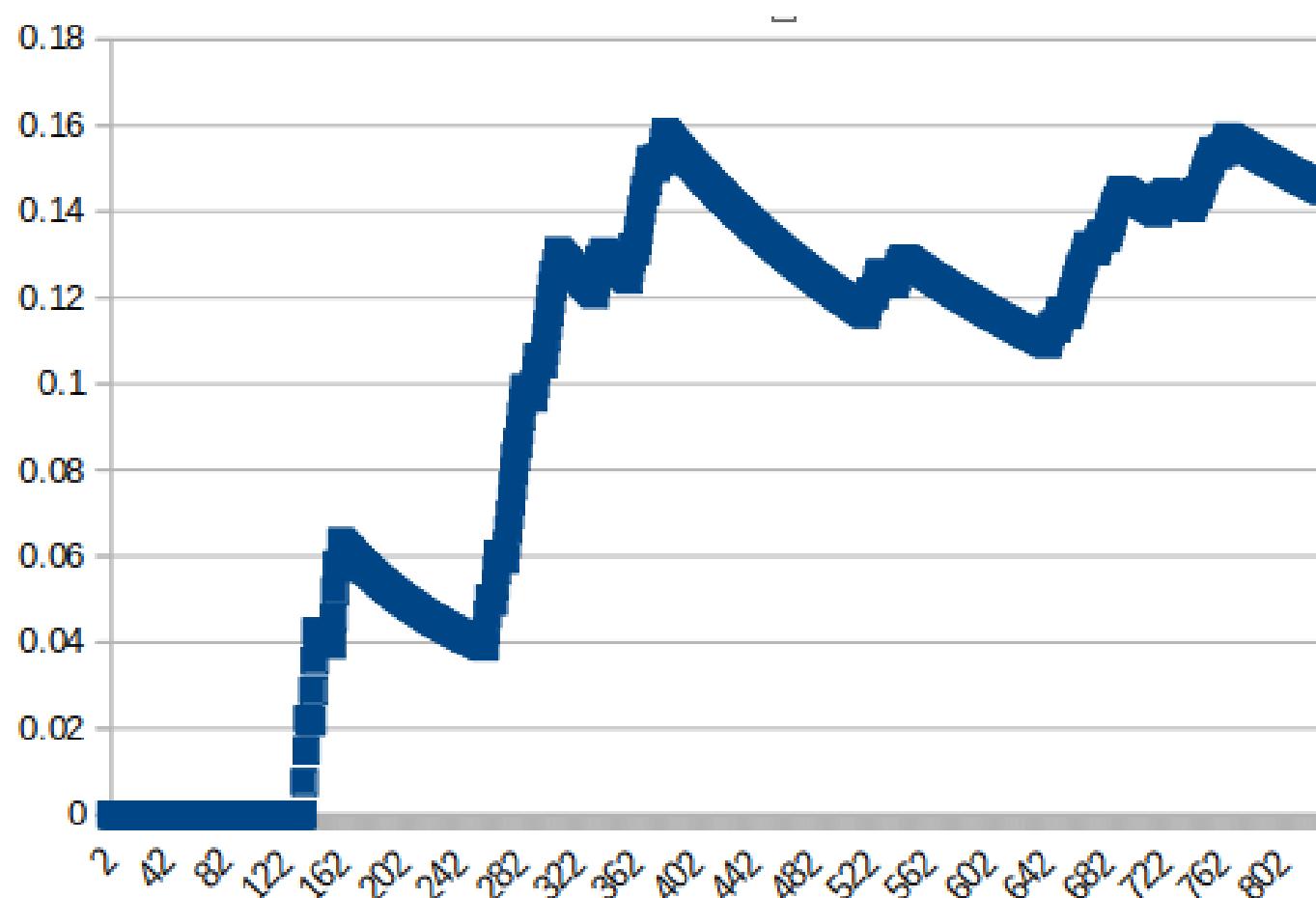
Enumerative Results

- Total Cycles (TC, Blue)
- Ammonia Producing Cycles (APC, Orange)



Enumerative Results

- Y-axis: #APC/#TC (ratio)
- X-axis: #TC



Few APCs

