Phylanx Meeting Notes

November 9, 2017

* Adrian, Shahrzad, Bibek, Ali, Chris, Stefan, Parsa, Steve, Monil
* Seminars
  + Chris-
    - I really liked last week’s seminar
    - I would like to have a seminar involving HPX
    - I have been pitching the seminar series to vendors
      * Adrian- So a talk about HPX would be in order
      * Absolutely!
* Chris-
  + Very close to finishing the space filling curves
    - Having some issues recovering values
  + Still have an HPX pull request that needs to be finalized
    - Getting the unit tests working
* Monil-
  + Been working with the Tutorial for HPX at SC17
  + Looking at HPX and APEX
* Stefan-
  + Had a guest over the past week
* Steve-
  + Preparing for the tutorial at SC17
* Parsa-
  + Defining a distinction between a scalar, vector, or matrix in Phylanx
    - Causing issues in Phylanx
* Ali-
  + Working on PXFS
* Shahrzad-
  + Learning HPX
* Bibek-
  + Adding the slicing primitive for row and column
  + Looking to refine the linear regression algorithm
* Rod (in absentia)-
  + I have added matrix join (row\_join and col\_join) functionality to MatrixSymbol class in SymPy
  + I'm planning too add all the missing methods of Matrix class to MatrixSymbol
  + Adrian and I had a discussion about whether or not it makes sense to have a fork of SymPy under stellar-group account
* Adrian-
  + Uploaded YouTube video of seminar
    - Created a blogpost about it
* Sympy Integration
  + Steve- I would suggest we not fork the repo
    - Adrian- I agree we should avoid it if possible
  + Chis- I will email some questions for Rod to answer in the next meeting
* Project Goals
  + The team and I attended a deep learning training
    - Some of the team, understanding the scope, feel overwhelmed
  + What do you expect us to produce in the context of the current project?
    - Chris-
      * For this project I looked for a suit of algorithms that could express different types of algorithms
      * I am looking for something more general than current solutions
        + Like Spartan
      * I expect parity (with a delta t) with other solutions out there
      * Your team provides a unique perspective on the space
        + Parallelism and HPC
    - Bibek- Makes me feel better
* Next Meeting: Thursday November 30th at 3pmET/2pmCT/1pmMT/12pmPT via Webex
  + Those of us at SC17 will meet on Monday at 10am
    - Adrian will send an email denoting the location