7/11/2024 - 7//2024

- Compare Single and Double-precision BFBCG between CUDA and MATLAB

Achieved:
- Check device query whether double is available
    https://github.com/keiakihito/Double_BFBCG_Comparison/blob/main/NCSA%20delta%20Device%20Query.txt

- Compare Double vs Float between CUDA and MATLAB

    - Case 1 Sparse 5 by 5, block 3
        - 🍏 Double-Case1_5by5by3
        - 🍏 Float-Case1_5by5by3

    - Case 2 Sparse 10 by 10, block 5
        - 🍏 Double-Case2_10by10by5
        - 🍏 Float-Case2_10by10by5

    - Case 3 Sparse 17 by 17, block 16
        - 🍏 Double-Case3_17by17by16
        - 🍏 Float-Case3_17by17by16

    Note: I prefer double because it converges without becoming rank 0 for search direction P. Float goes to rank 0, then exits iteration with some residual value through validation.

TO DO
- Check the test cases
- Send the result to Dr. Ji

Issue