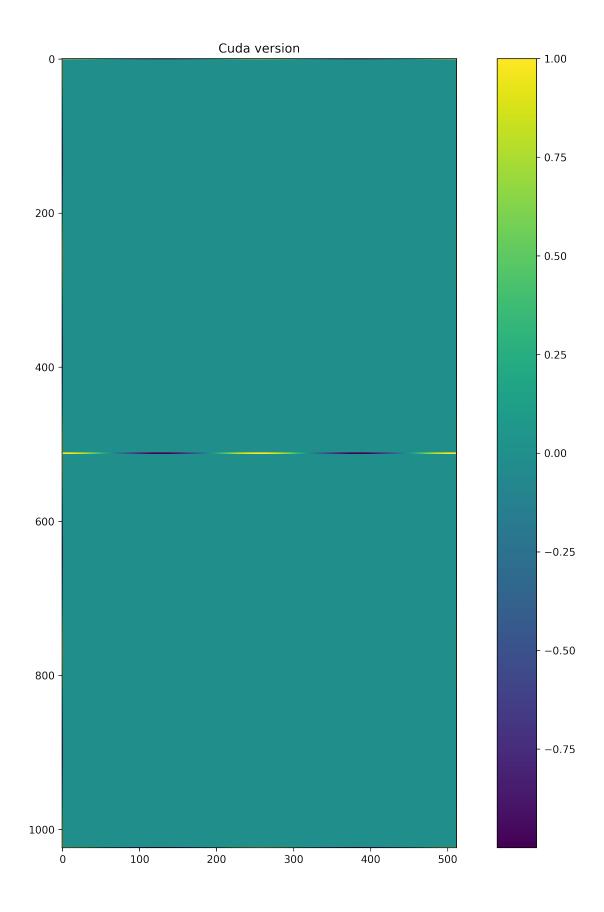
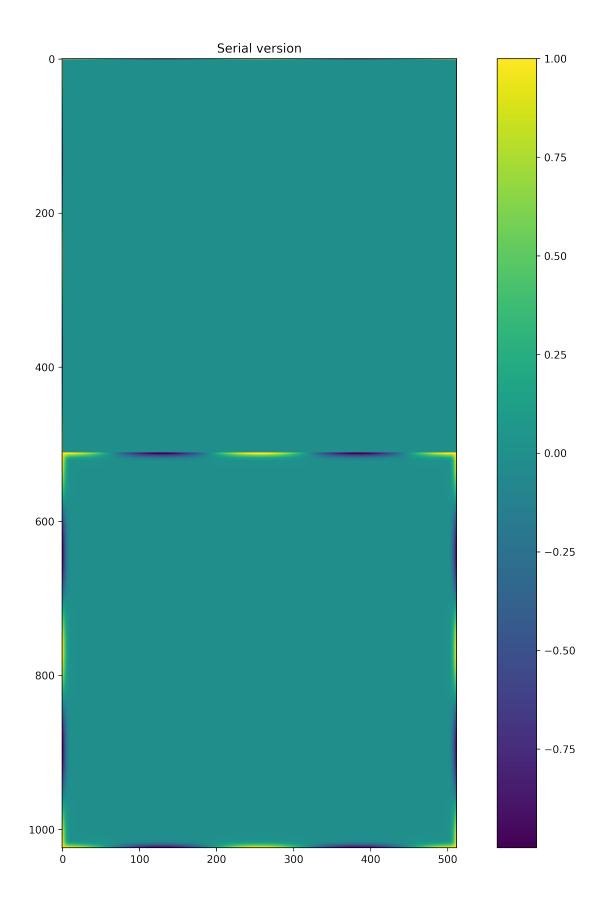
## jacoobi-data-visualization

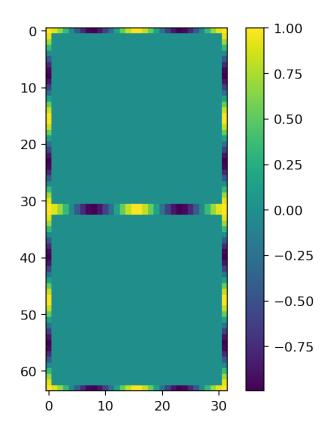
## June 12, 2018

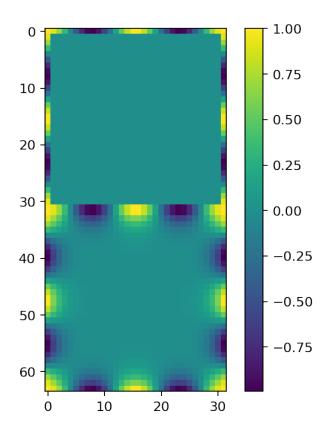
```
In [62]: !ls
2-a.c
            3-cuda.cu
                         cuda-32.csv serial-32.csv serial.out
2-b.cu
             3-serial.cpp cuda.csv
                                               serial.csv
                                                                     Untitled.ipynb
                                cuda.csvdata serial.csvdata
2-c.cu
             a.out
In [63]: import pandas as pd
        import matplotlib.pyplot as plt
         import numpy as np
        %matplotlib inline
In [73]: df_cuda = pd.read_csv('cuda.csv', sep=';', header=None)
        df_serial = pd.read_csv('serial.csv', sep=';', header=None)
```

0.0.1 The figures show the matrix after the initializaton in the upper part and aftere the iteration in the lower part.









0.0.2 Evidently the initialization step is working on the cuda version, the jacobi iteration however is not.