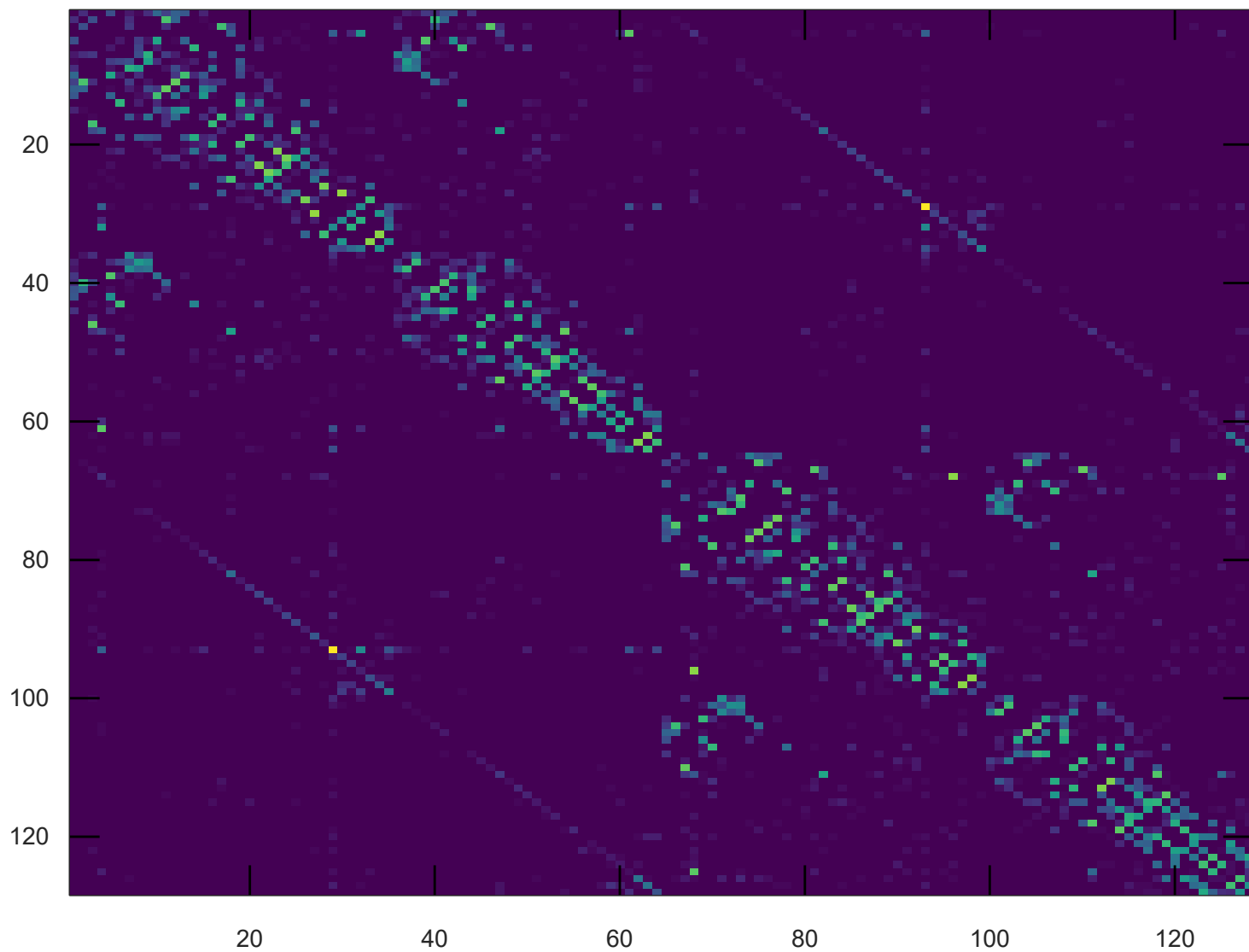


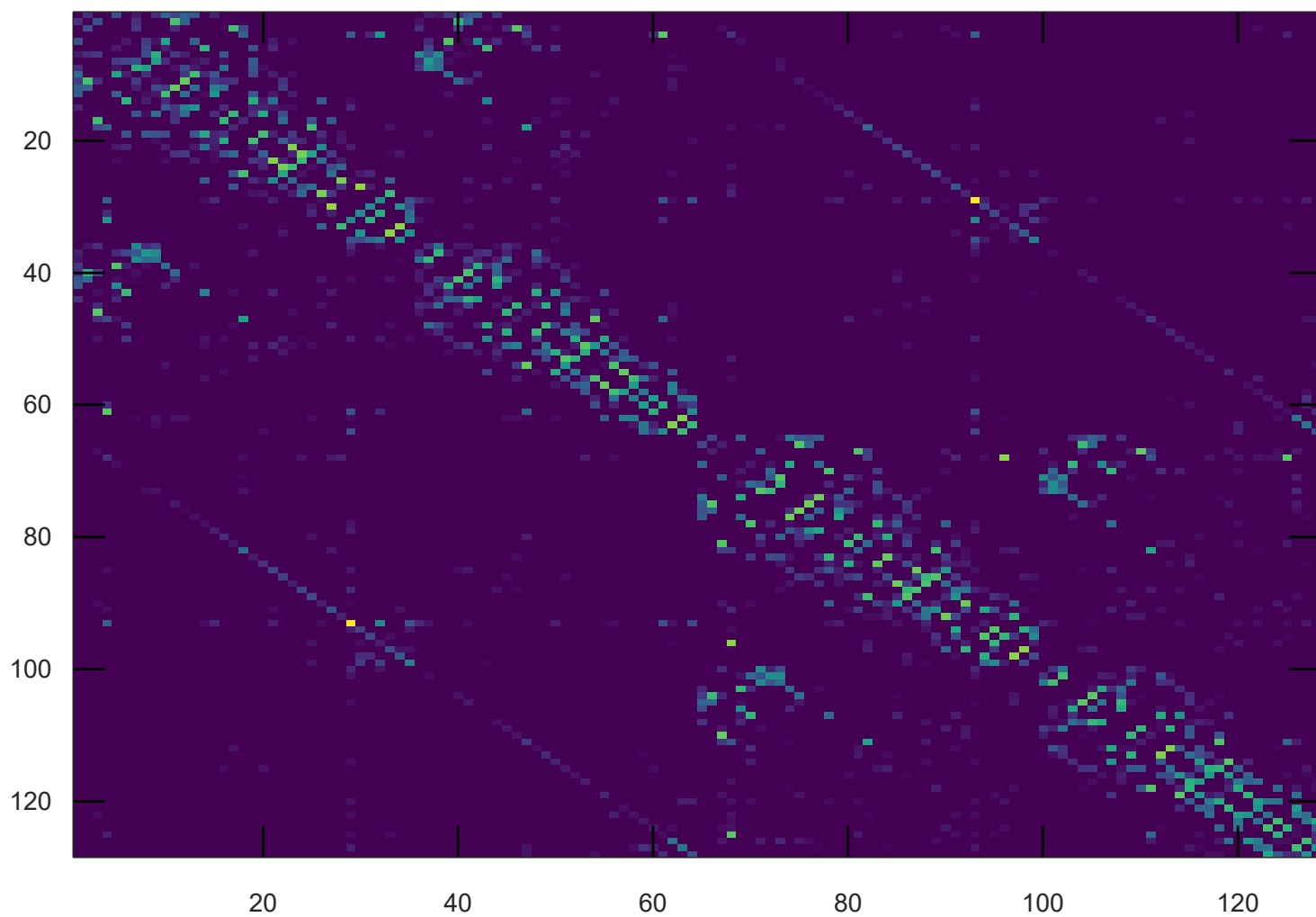
```
nclusters=3  
err =0.29167  
err2(thresholding) =0.32292  
!!! OUT OF TIME !!!
```

```
octave:112> source("projFaces.m")  
Elapsed time is 0.148067 seconds.  
norm of X - XC  
ans = 1081.1
```

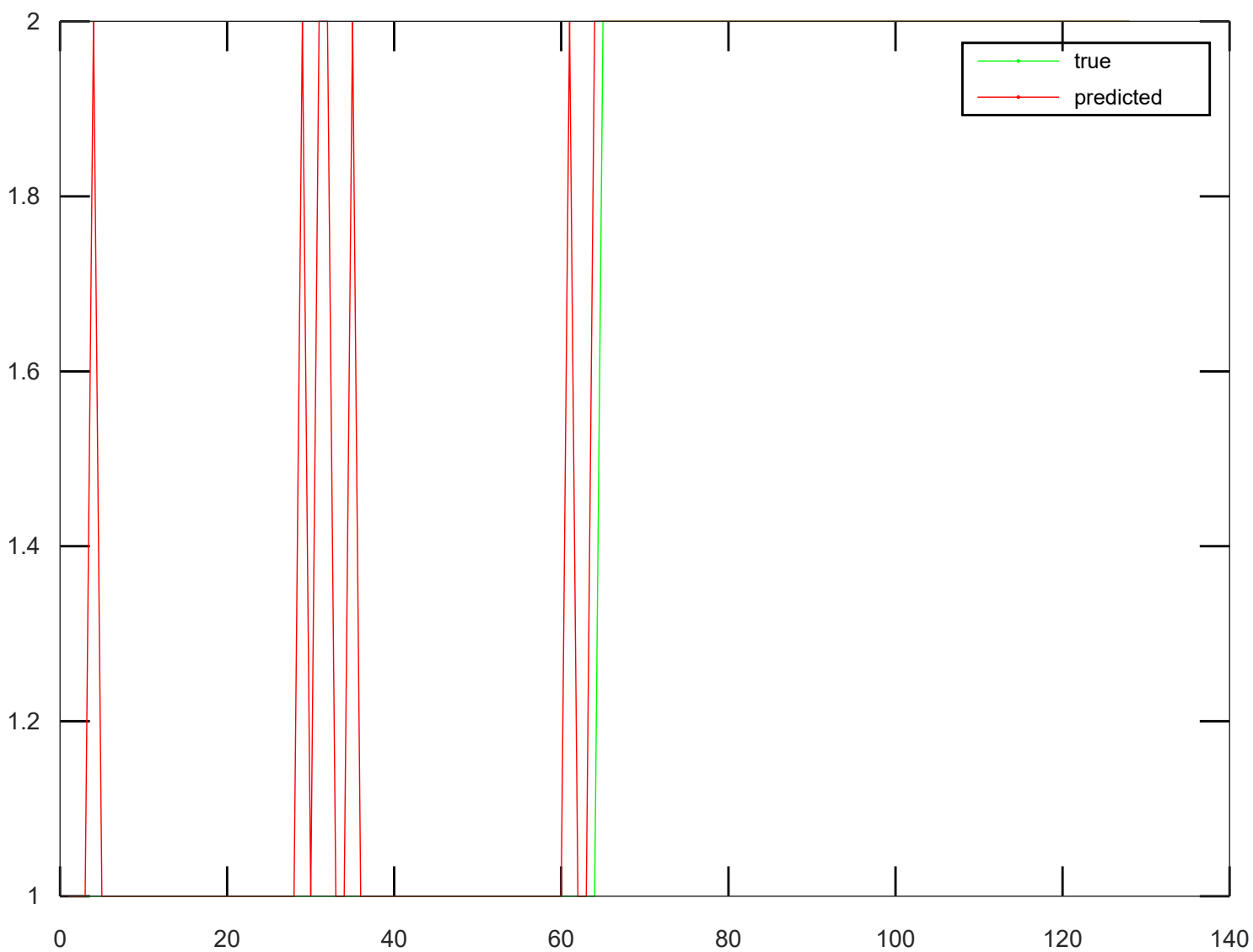


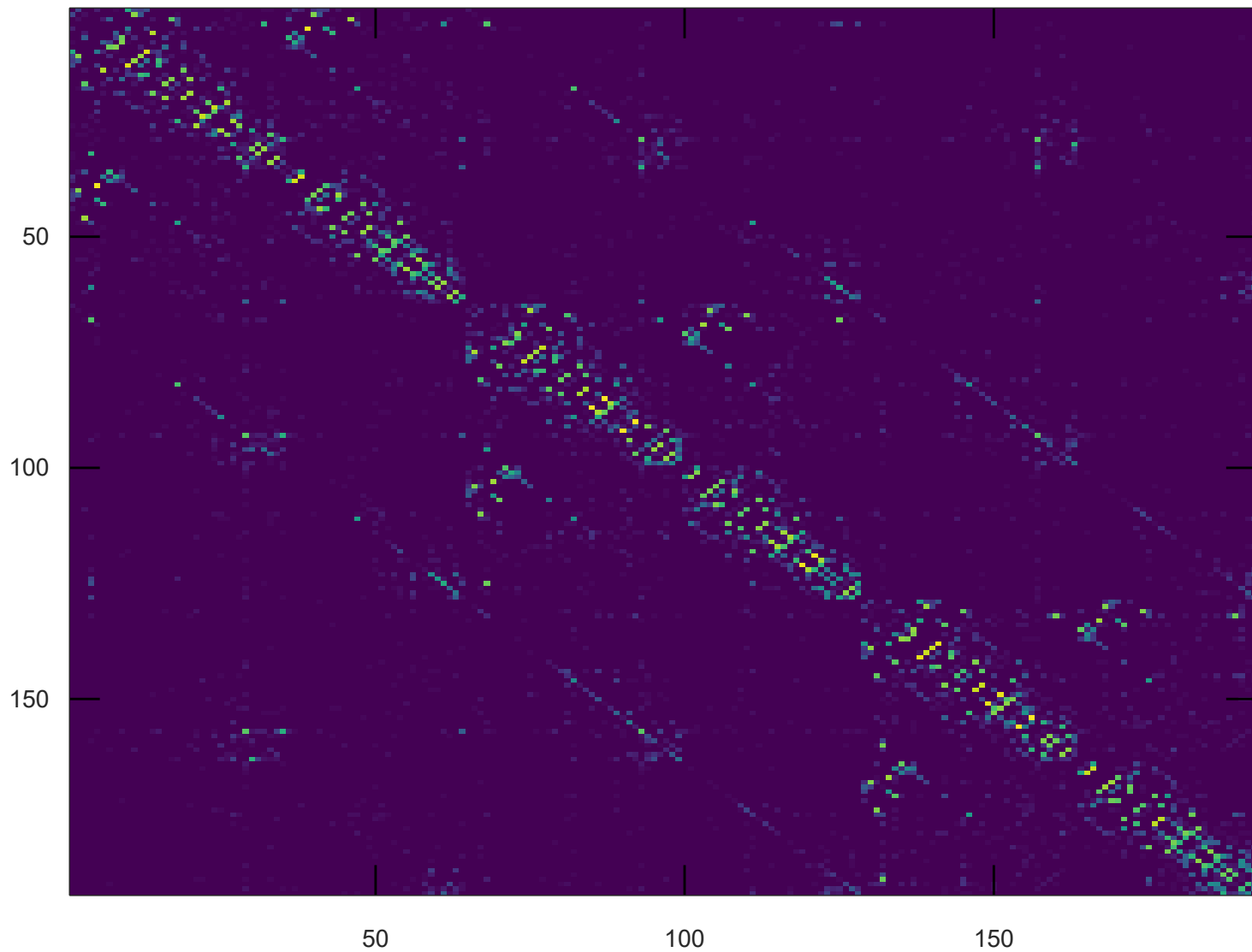
nclusters=2  
err =0.046875  
err2(thresholding) =0.054688

Thresholded Affinity matrix



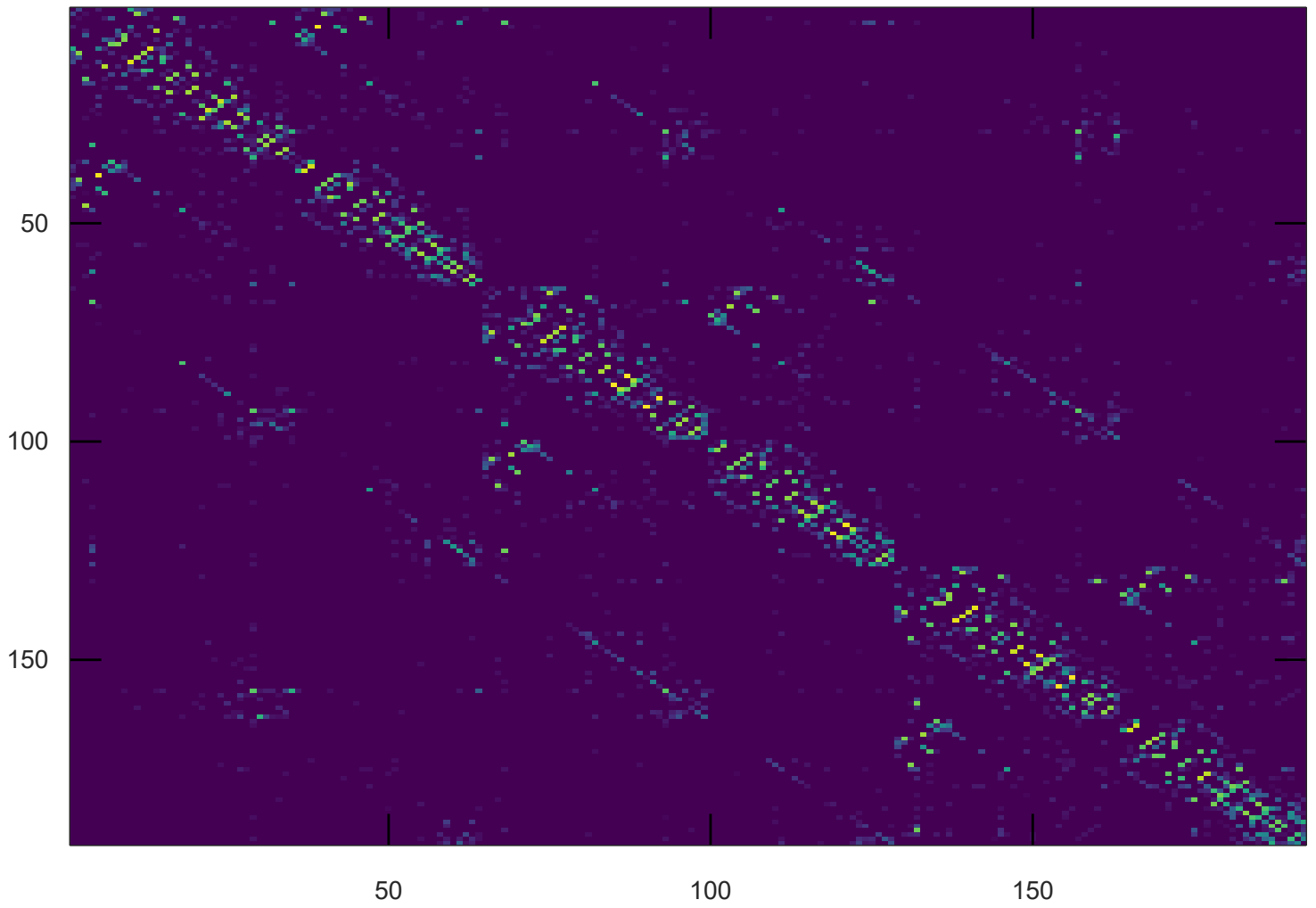
Elapsed time is 0.898328 seconds.  
norm of  $X - XC$   
ans = 837.83



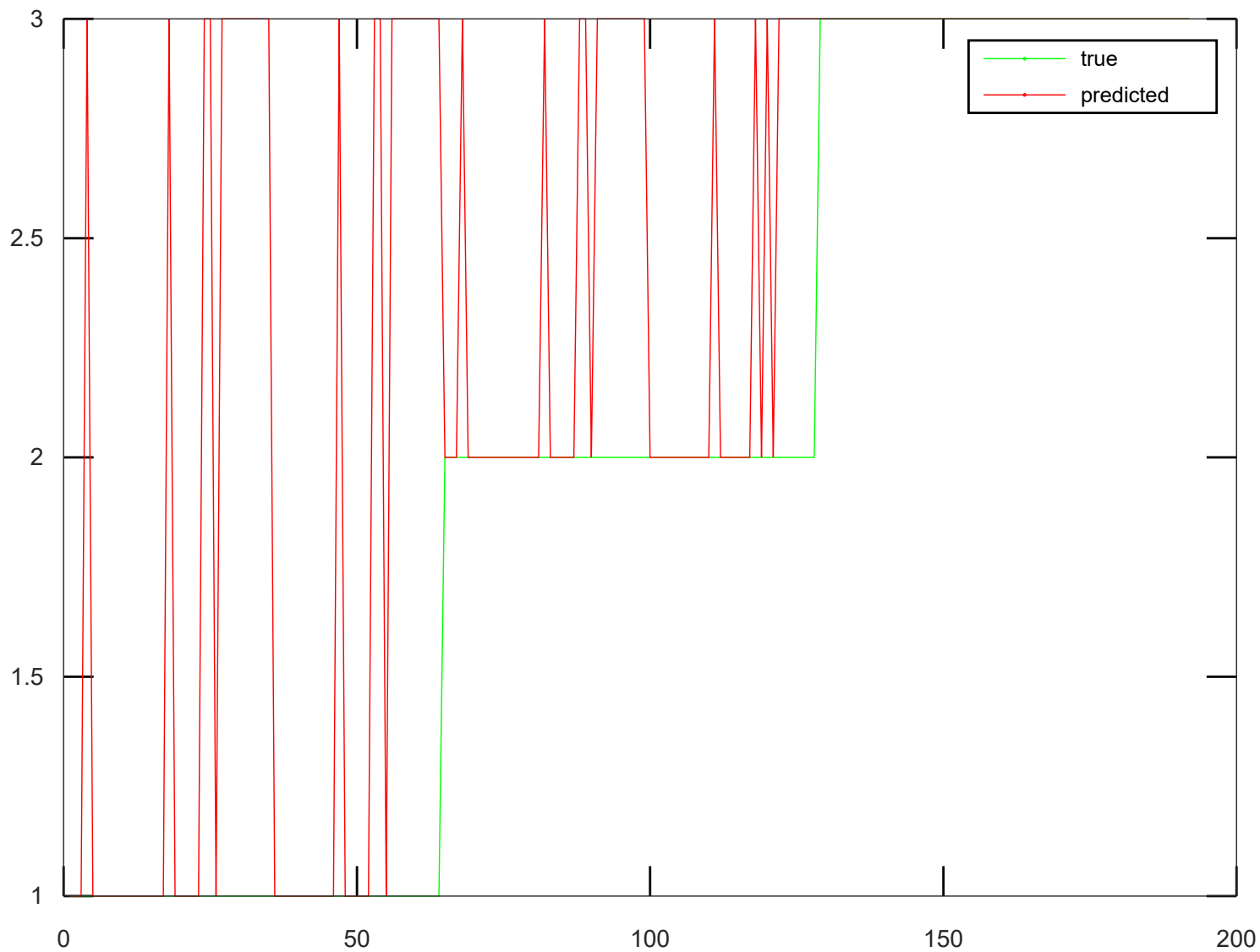


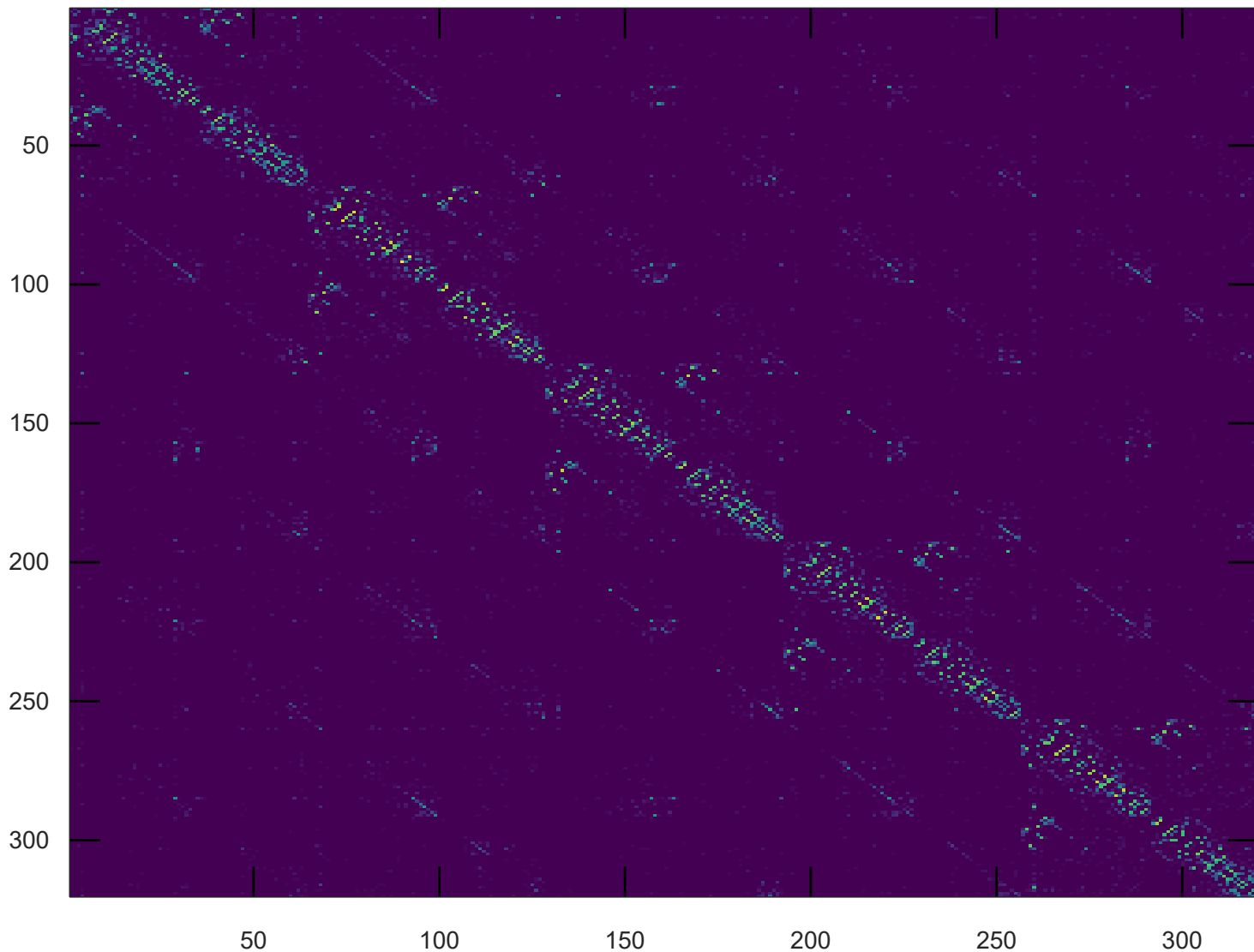
nclusters=3  
err =0.25521  
err2(thresholding) =0.25

## Thresholded Affinity matrix



Elapsed time is 4.46982 seconds.  
norm of  $X - XC$   
ans = 828.77





nclusters=5

*warning: Matlab-style short-circuit operation performed for operator &*  
*warning: called from*

*linear\_sum\_assignment>step1 at line 98 column 5*

*linear\_sum\_assignment at line 45 column 19*

*missRate>myBestMap at line 20 column 13*

*missRate at line 2 column 15*

*projFaces at line 74 column 22*

*warning: Matlab-style short-circuit operation performed for operator &*  
*warning: called from*

*linear\_sum\_assignment>step1 at line 98 column 5*

*linear\_sum\_assignment at line 45 column 19*

*missRate>myBestMap at line 20 column 13*

*missRate at line 2 column 15*

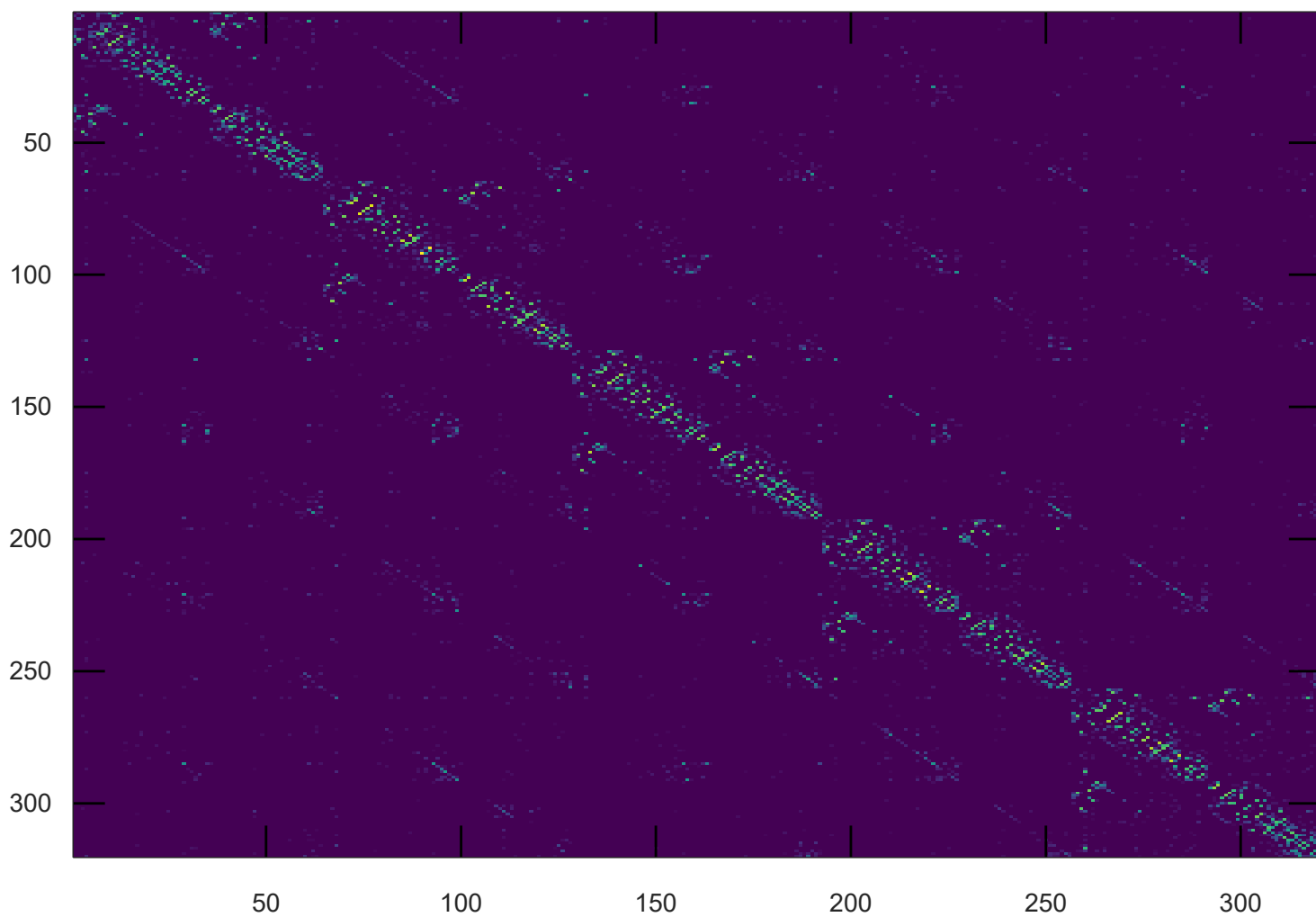
*projFaces at line 74 column 22*

err =0.6375

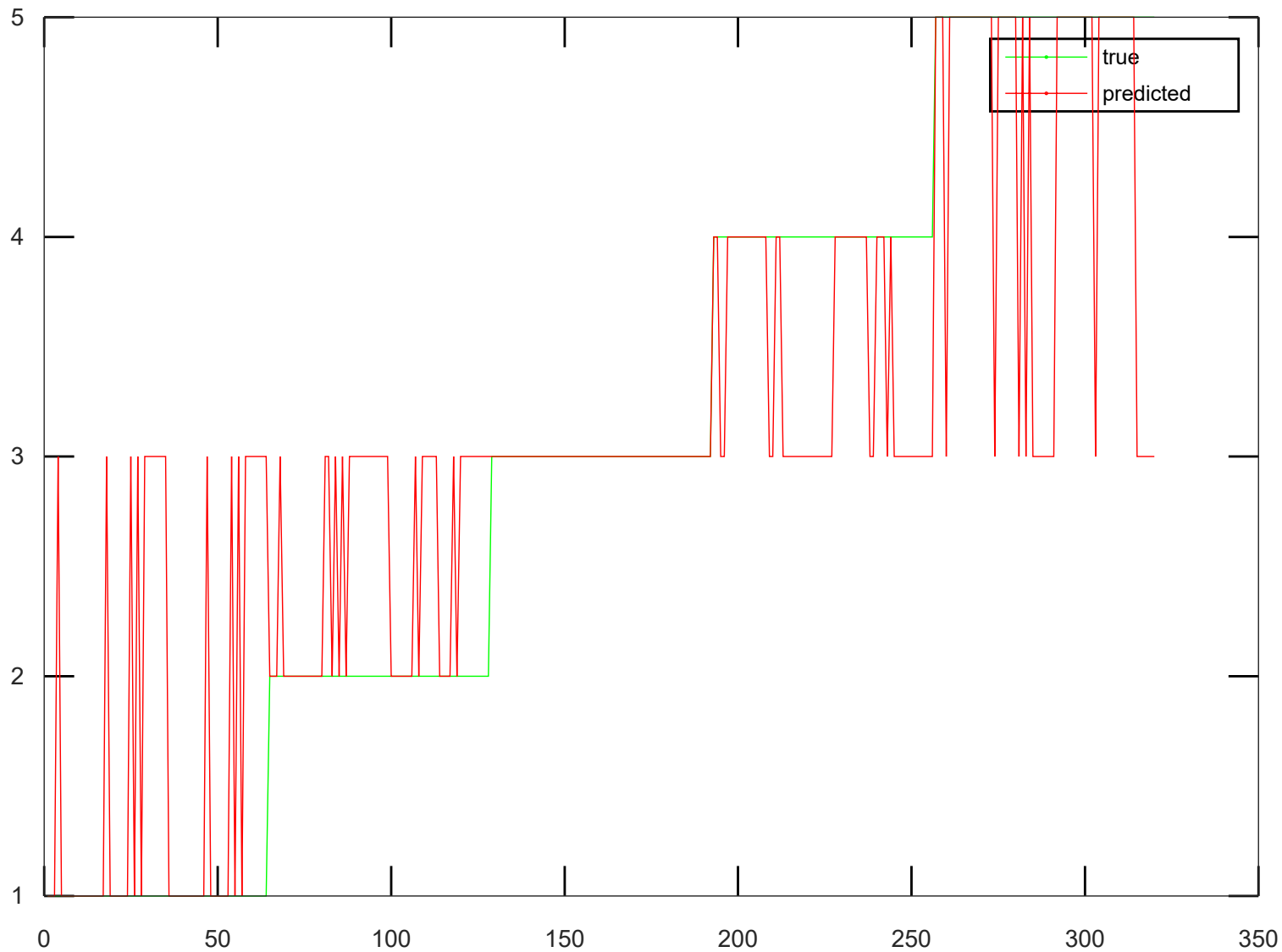
err2(thresholding) =0.33125

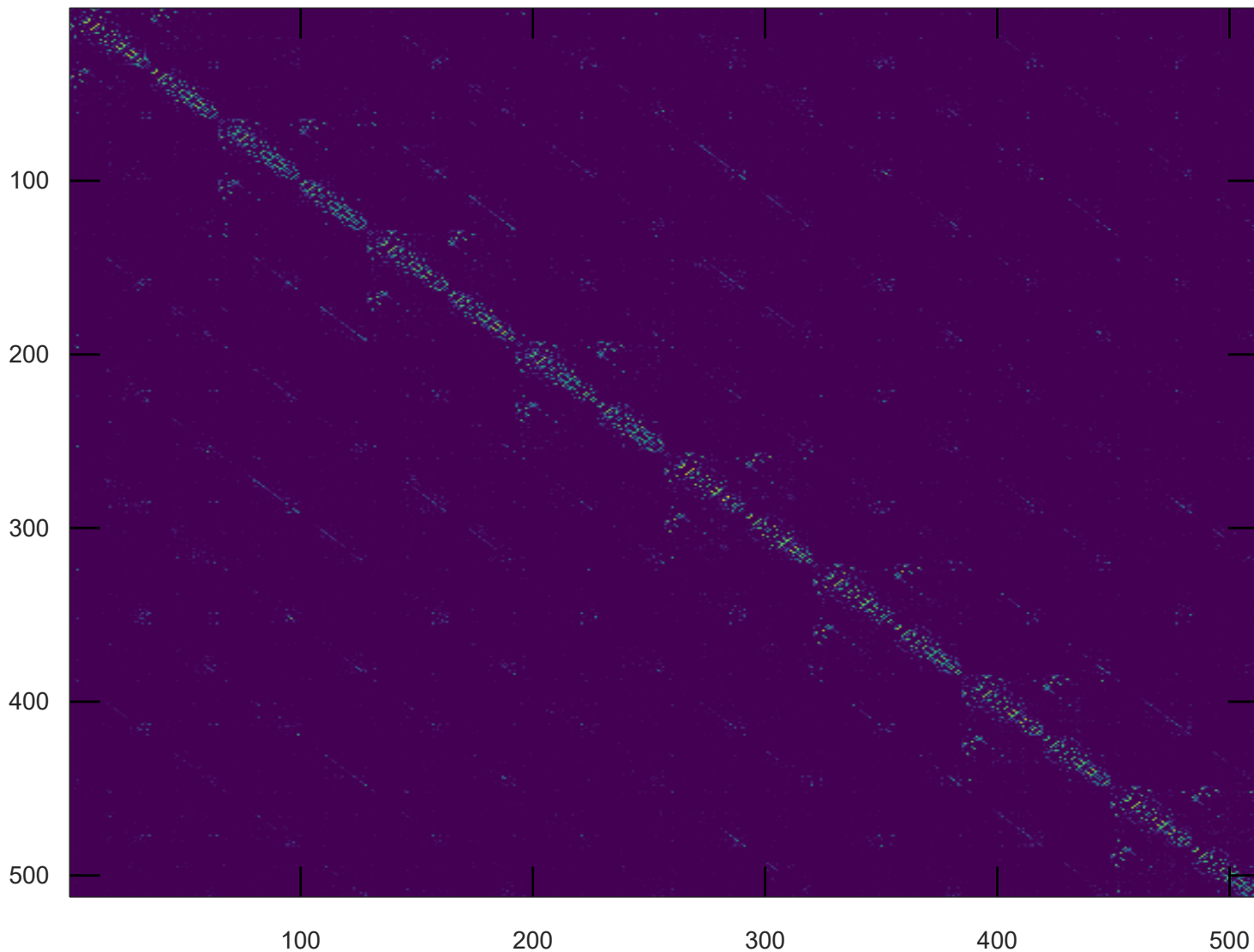


# Thresholded Affinity matrix



Elapsed time is 4.39854 seconds.  
norm of  $X - XC$   
ans = 813.47





nclusters=8

*warning: Matlab-style short-circuit operation performed for operator &*  
*warning: called from*

*linear\_sum\_assignment>step1 at line 98 column 5*

*linear\_sum\_assignment at line 45 column 19*

*missRate>myBestMap at line 20 column 13*

*missRate at line 2 column 15*

*projFaces at line 74 column 22*

err =0.56641

*warning: Matlab-style short-circuit operation performed for operator &*  
*warning: called from*

*linear\_sum\_assignment>step1 at line 98 column 5*

*linear\_sum\_assignment at line 45 column 19*

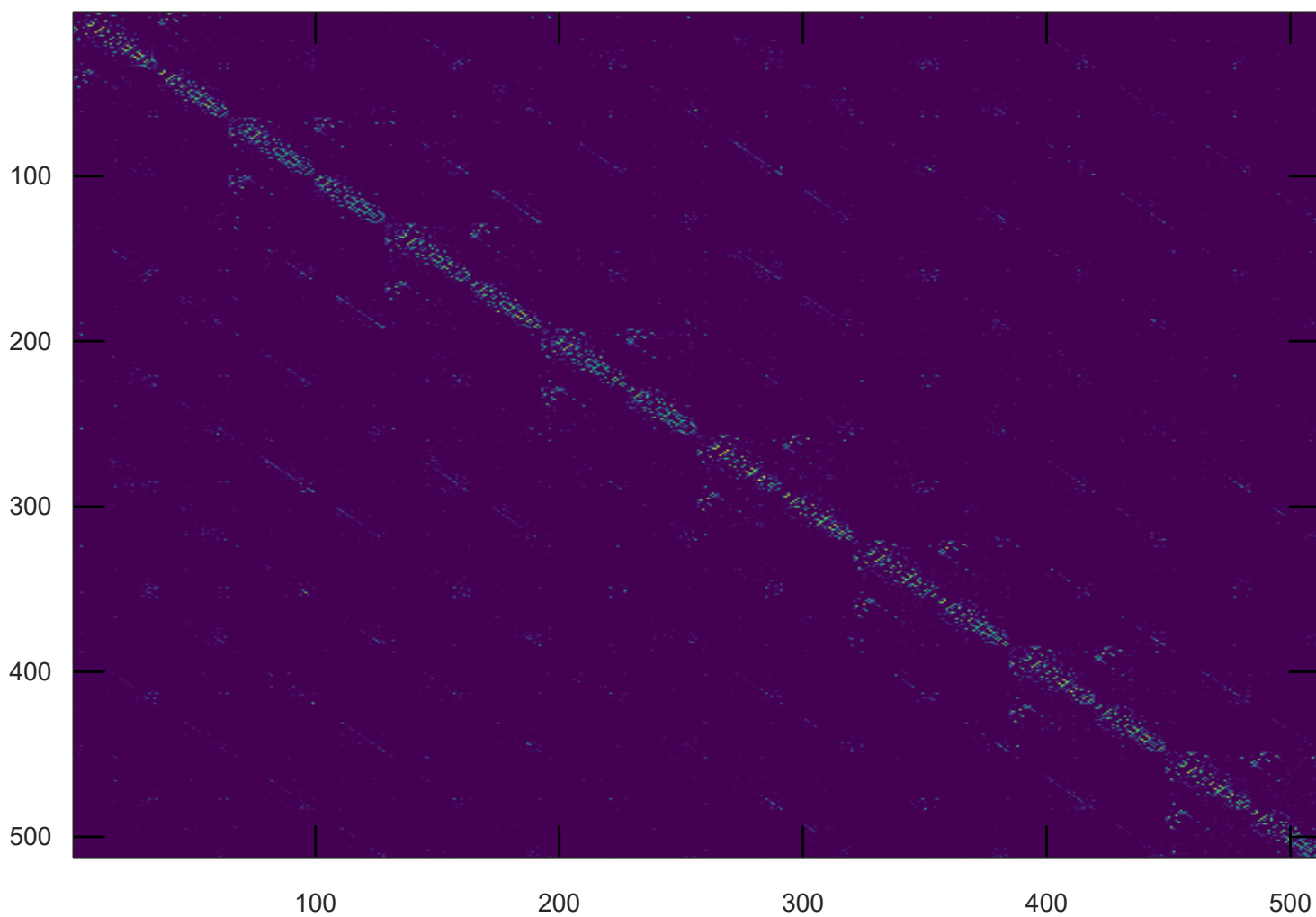
*missRate>myBestMap at line 20 column 13*

*missRate at line 2 column 15*

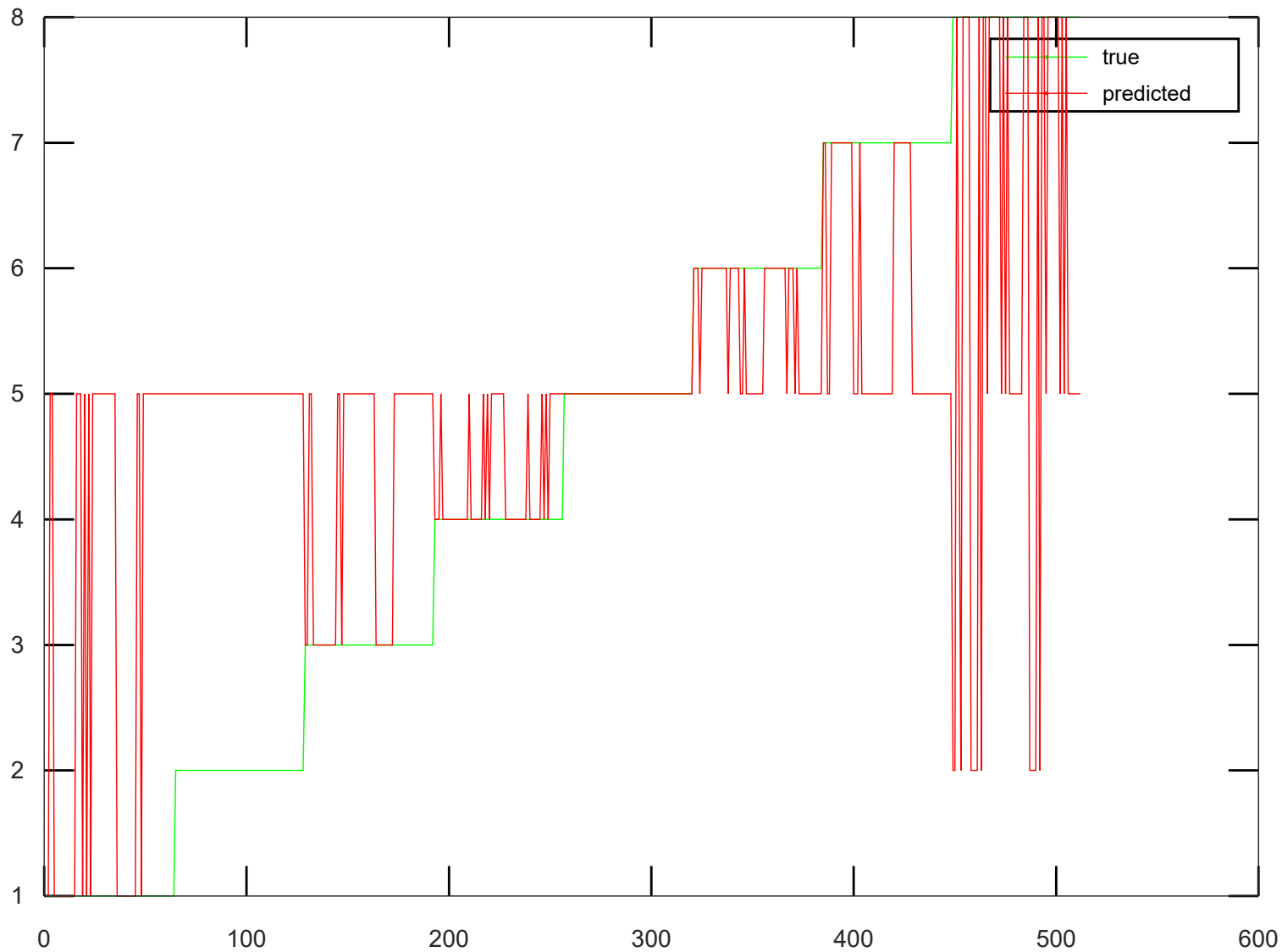
*projFaces at line 76 column 24*

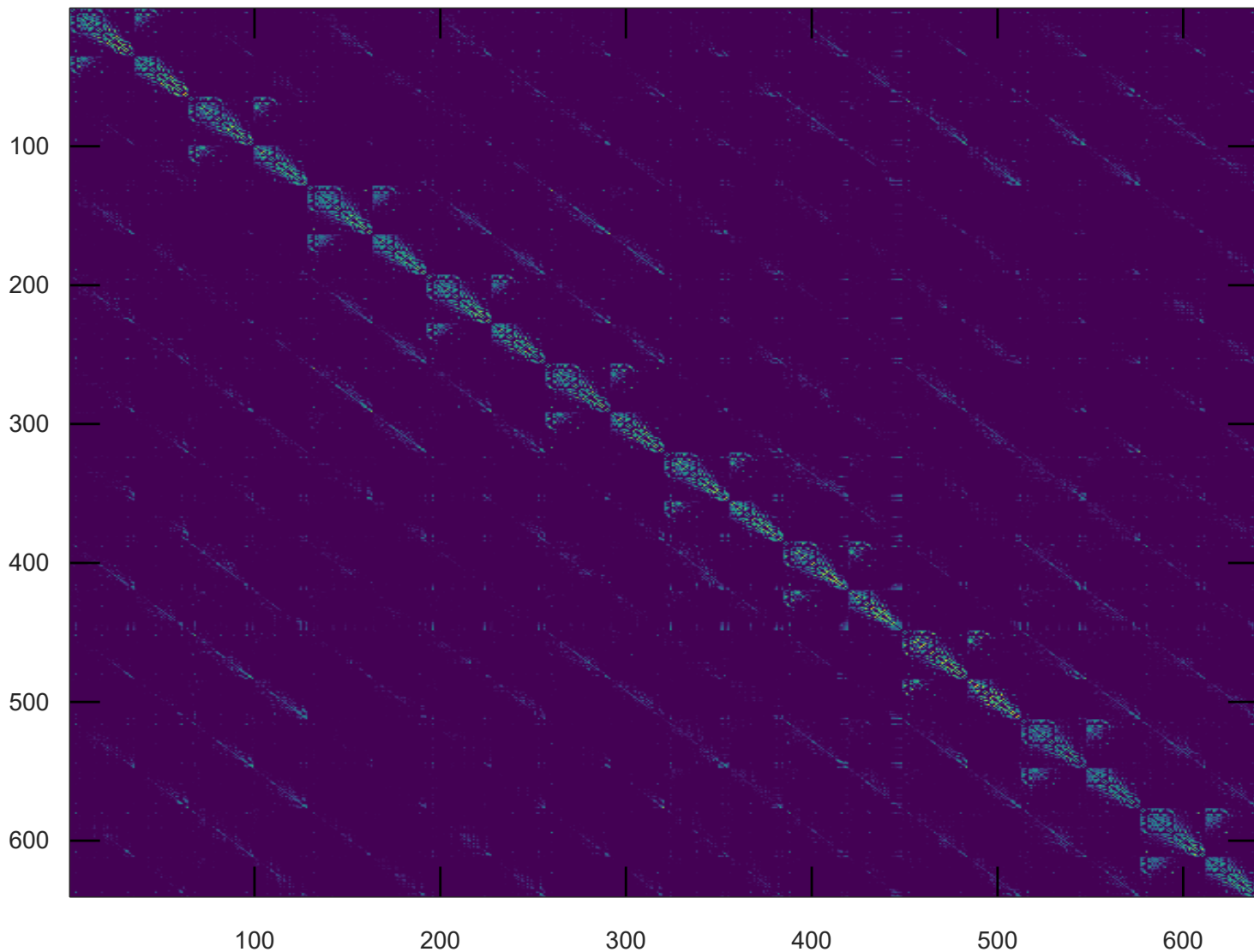
err2(thresholding) =0.51562

# Thresholded Affinity matrix



Elapsed time is 0.098948 seconds.  
norm of  $X - XC$   
ans = 3917.0





```
nclusters=10
```

```
warning: Matlab-style short-circuit operation performed for operator &  
warning: called from
```

```
linear_sum_assignment>step1 at line 98 column 5
```

```
linear_sum_assignment at line 45 column 19
```

```
missRate>myBestMap at line 20 column 13
```

```
missRate at line 2 column 15
```

```
projFaces at line 74 column 22
```

```
warning: Matlab-style short-circuit operation performed for operator &  
warning: called from
```

```
linear_sum_assignment>step1 at line 98 column 5
```

```
linear_sum_assignment at line 45 column 19
```

```
missRate>myBestMap at line 20 column 13
```

```
missRate at line 2 column 15
```

```
projFaces at line 74 column 22
```

```
err =0.58594
```

```
warning: Matlab-style short-circuit operation performed for operator &  
warning: called from
```

```
linear_sum_assignment>step1 at line 98 column 5
```

```
linear_sum_assignment at line 45 column 19
```

```
missRate>myBestMap at line 20 column 13
```

```
missRate at line 2 column 15
```

```
projFaces at line 76 column 24
```

```
warning: Matlab-style short-circuit operation performed for operator &  
warning: called from
```

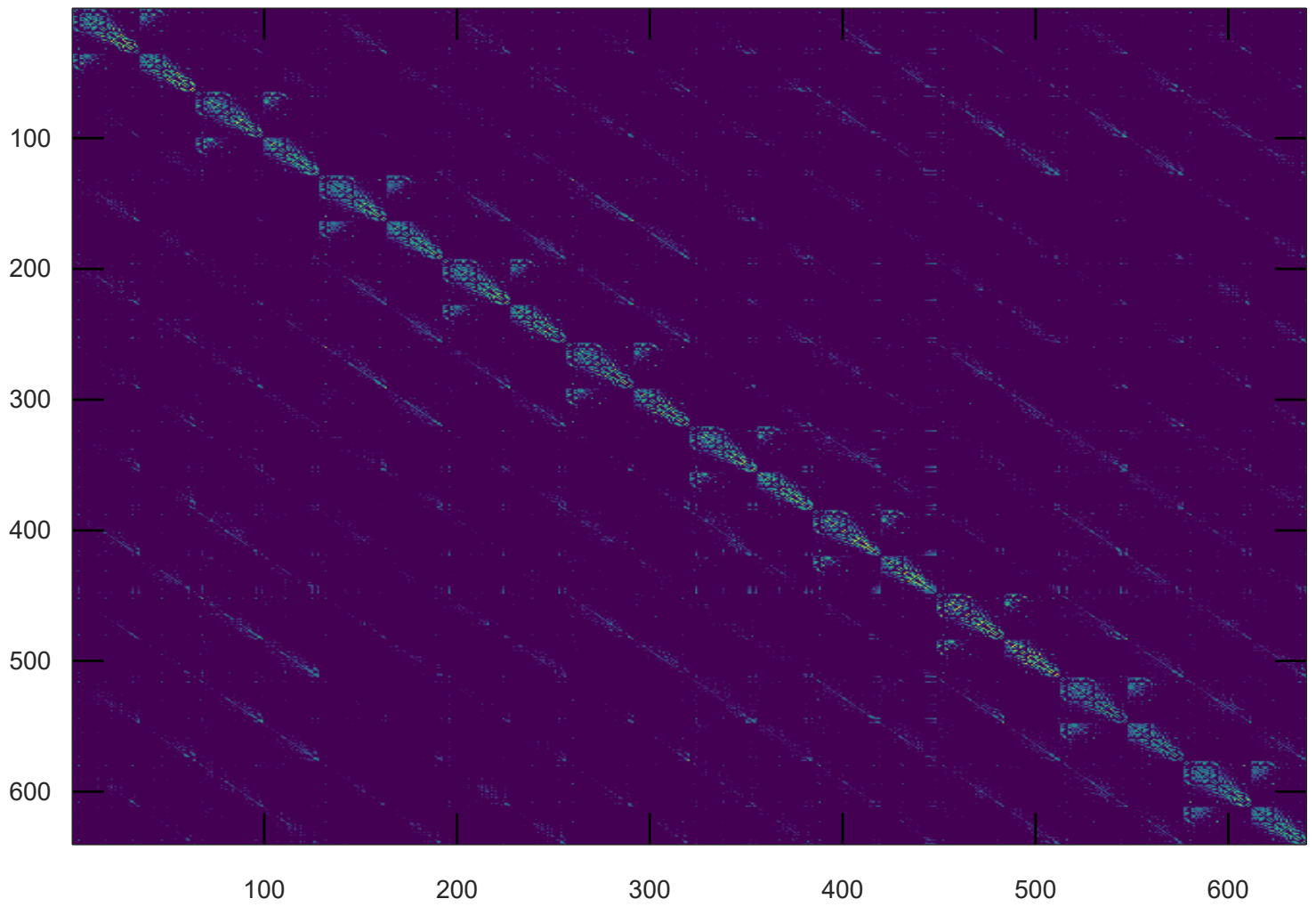
```
linear_sum_assignment>step1 at line 98 column 5
```

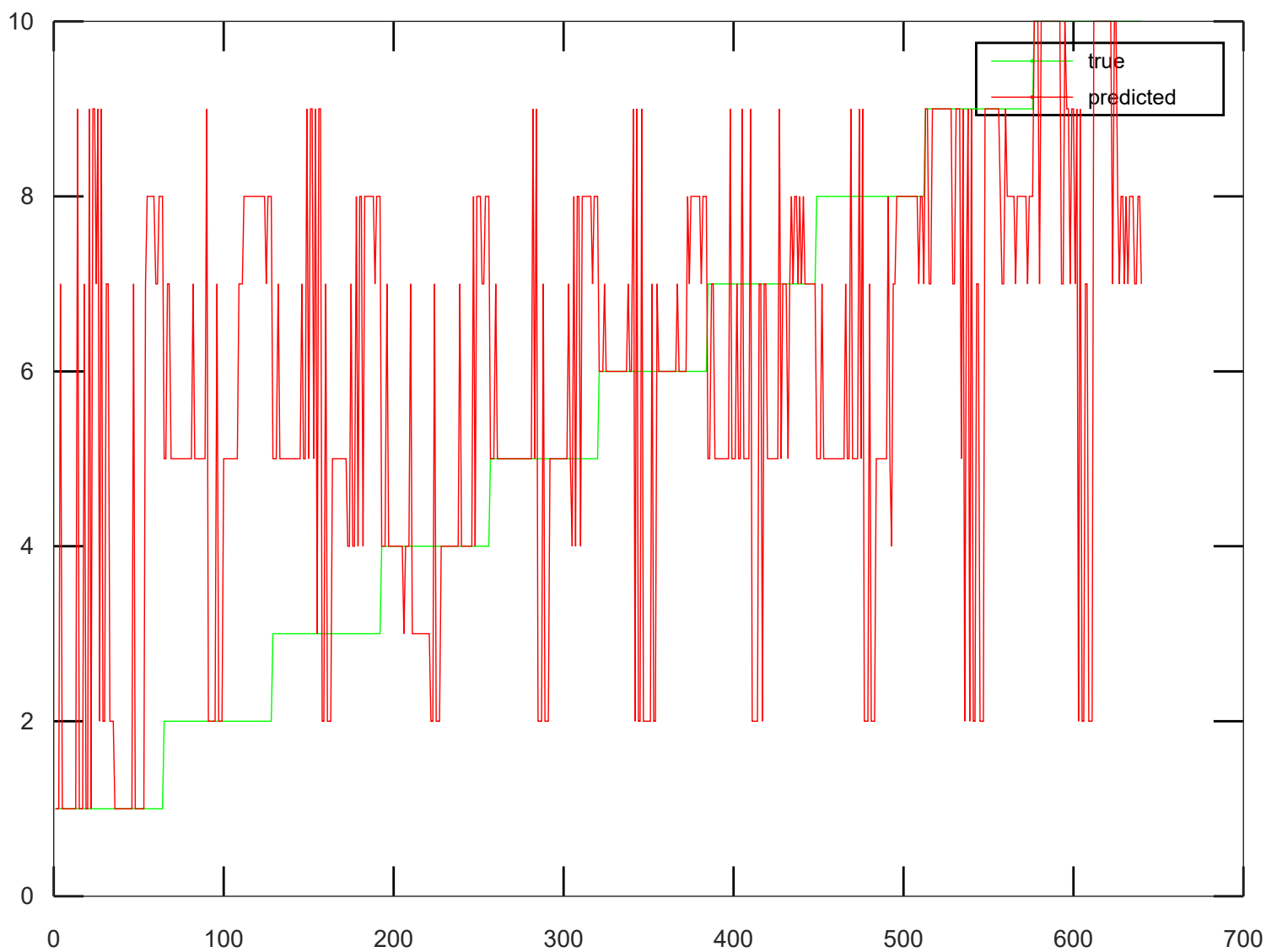
```
linear_sum_assignment at line 45 column 19
```

```
missRate>myBestMap at line 20 column 13
```

*missRate at line 2 column 15*  
*projFaces at line 76 column 24*  
err2(thresholding) =0.61719

Thresholded Affinity matrix





*Connection lost. Attempting to reconnect...*  
*Octave Exited. Message: Octave Session Expired*  
[Click Here to Reconnect](#)