

Projective Plane Glued Eigenfunctions of the Graph Laplacian for $M = 1$

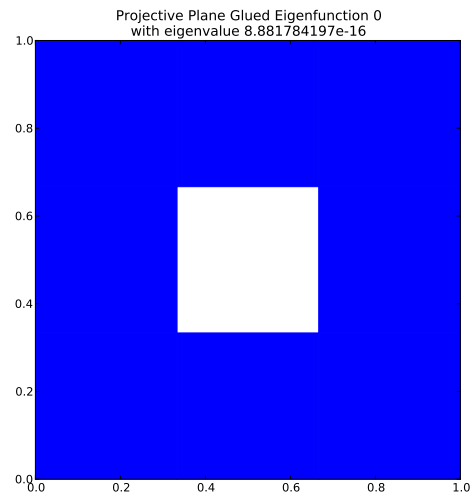
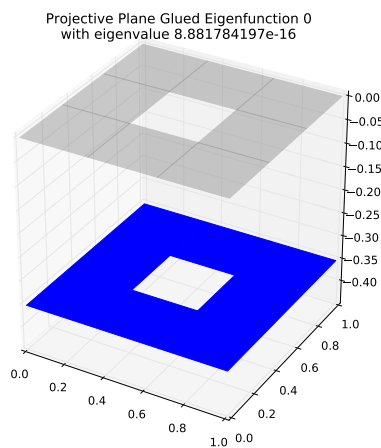
SPUR 2016

August 12, 2016

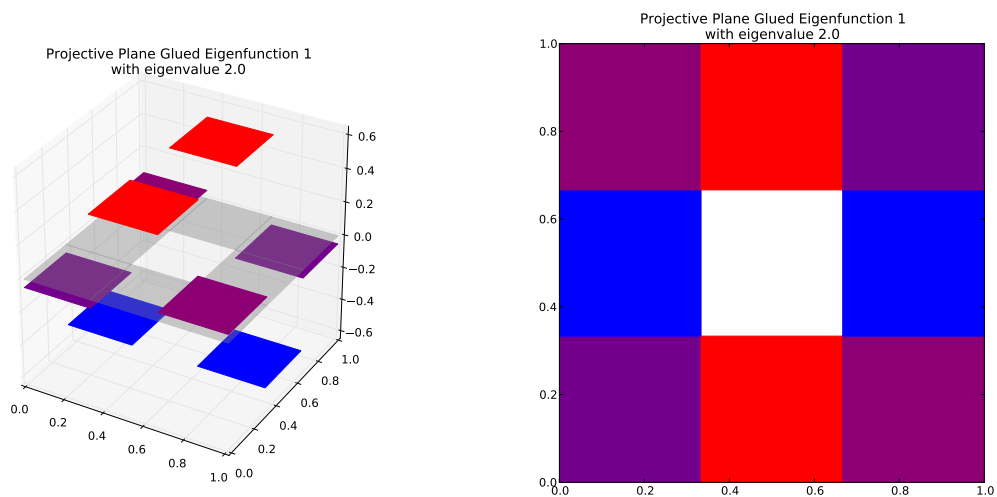
Eigenvalues:

- | | | |
|----------------------|------------------|------------------|
| 0. $8.881784197e-16$ | 3. 4.0 | 6. 7.41421356237 |
| 1. 2.0 | 4. 4.58578643763 | 7. 7.41421356237 |
| 2. 2.0 | 5. 4.58578643763 | |

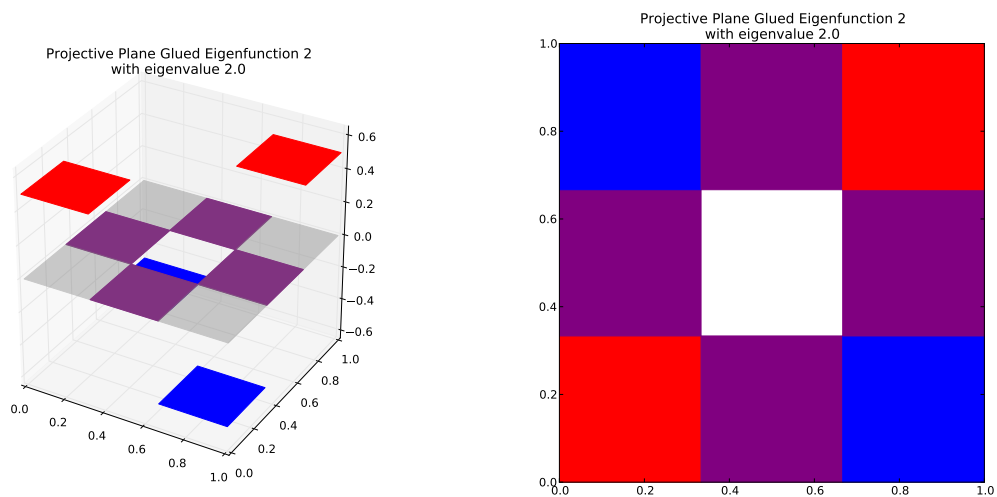
Eigenfunction 0 with eigenvalue $8.881784197e-16$



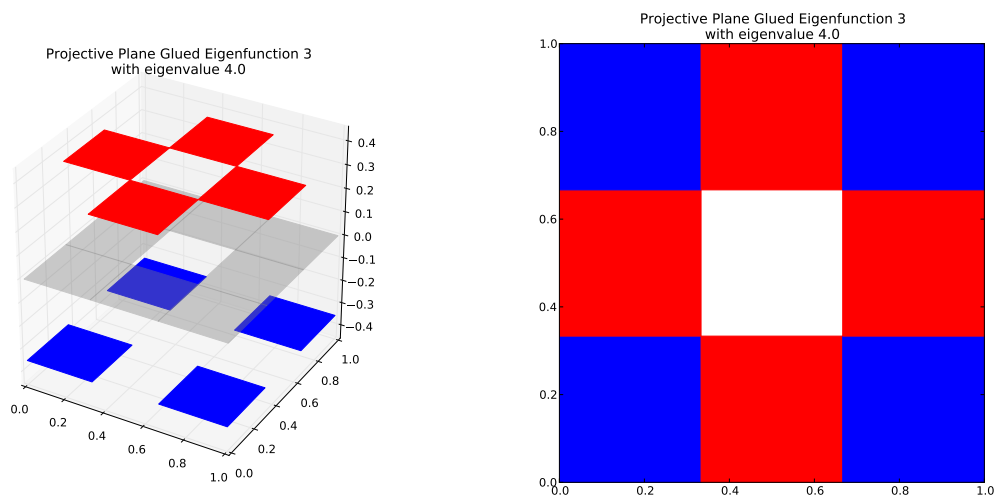
Eigenfunction 1 with eigenvalue 2.0



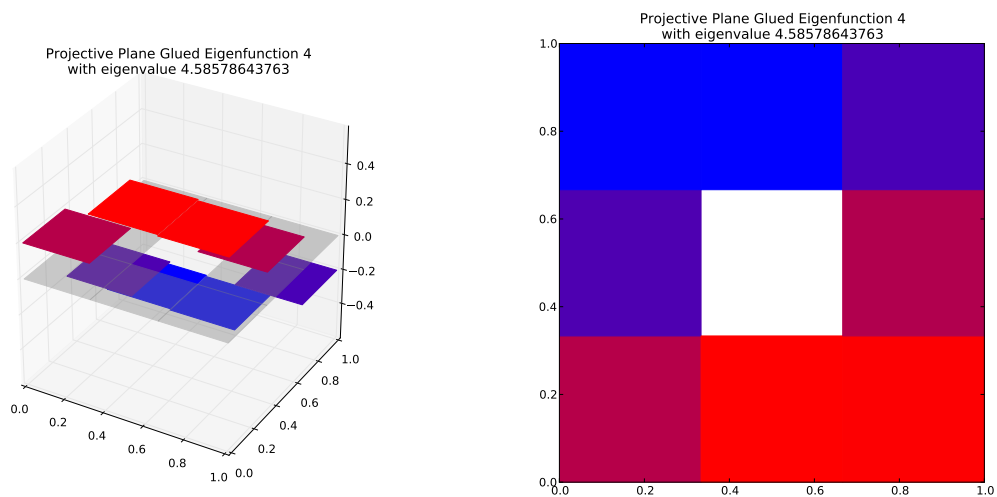
Eigenfunction 2 with eigenvalue 2.0



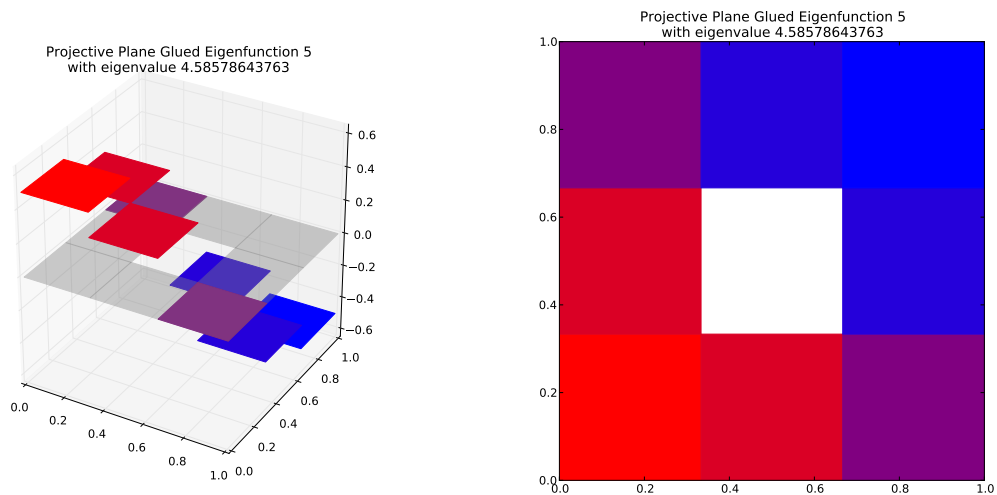
Eigenfunction 3 with eigenvalue 4.0



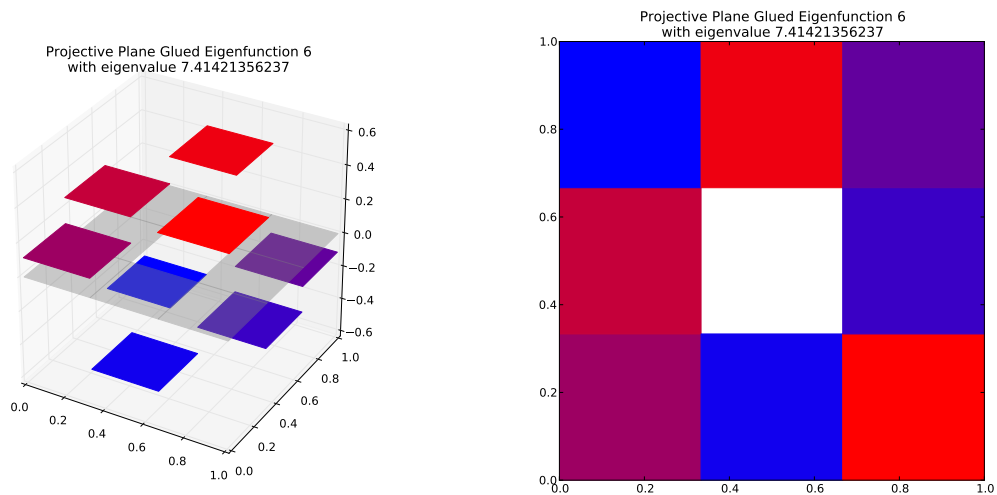
Eigenfunction 4 with eigenvalue 4.58578643763



Eigenfunction 5 with eigenvalue 4.58578643763



Eigenfunction 6 with eigenvalue 7.41421356237



Eigenfunction 7 with eigenvalue 7.41421356237

