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```
function plot_eg(A)
```

PLOT_EG Introduction

```
                Plots the eigenvalue spread of a matrix A
```

Establishing Plot Vectors

```
e = eig(A);
```

Establishing Graph Components

```
xlabel('Real');
ylabel('Imaginary');
title("Eigenvalues of the Hilbert Matrix");
```

Printing Results

```
hold on
box on
grid on

Eigenvalues = plot(real(e), imag(e), 'bo');
Eigenvalues.MarkerSize = 5;
Eigenvalues.MarkerFaceColor = 'b';

axis tight

end
```

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