

Let's Plot a GMM

Define the GMM

We first specify an array of GMM component structs.

```
c1 = struct('mu', [2 2]', 'sigma', eye(2,2));  
c2 = struct('mu', [4 3]', 'sigma', 0.1*[4 0; 0 36])
```

```
c2 =  
    mu: [2×1 double]  
   sigma: [2×2 double]
```

```
theGMM = [c1; c2];
```

Compute the GMM Surface

Now we compute the height of the curve over a surface.

```
xAxis = 1:0.1:5;  
yAxis = 1:0.1:5;  
[X,Y,Z] = GMM2DGrid(xAxis, yAxis, theGMM);
```

Plot It

Now, let's plot it.

```
surf(X,Y,Z)  
view([-30.700 49.200])  
title('The GMM')
```

The GMM

