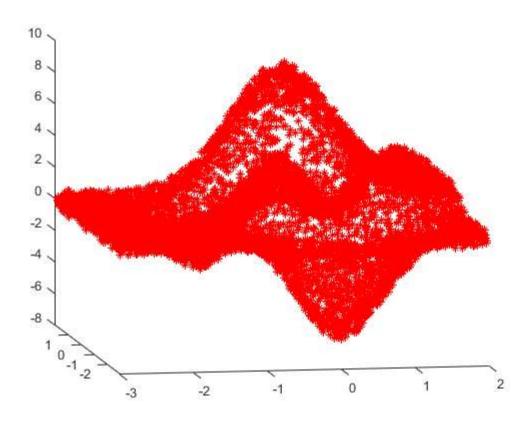```
xy = rand(10000,2)*5-3;
z = peaks(xy(:,1),xy(:,2)) + 0.5-rand(10000,1);
A = [xy z];
plot3(A(:,1), A(:,2), A(:,3), '*r')
view(-10,10)
```