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In [2]:

```
import numpy as np
import scipy.stats as sps
import matplotlib.pyplot as plt
%pylab inline
```

Populating the interactive namespace from numpy and matplotlib

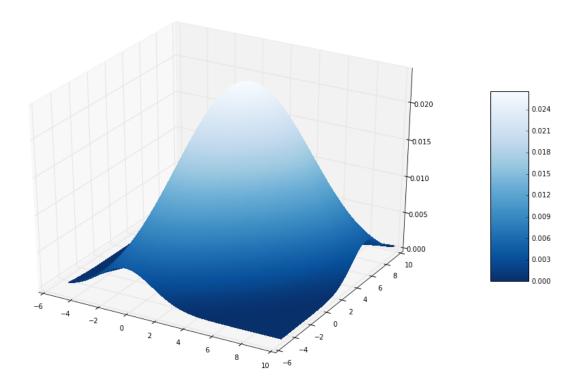
Построим график плотности случайного вектора $\xi=(\xi_1,\xi_2)\sim N(a,\Sigma)$, где $a=\begin{pmatrix}1\\4\end{pmatrix}$, $\Sigma=\begin{pmatrix}10&8\\8&10\end{pmatrix}$

In [18]:

from mpl_toolkits.mplot3d import Axes3D

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In [25]:



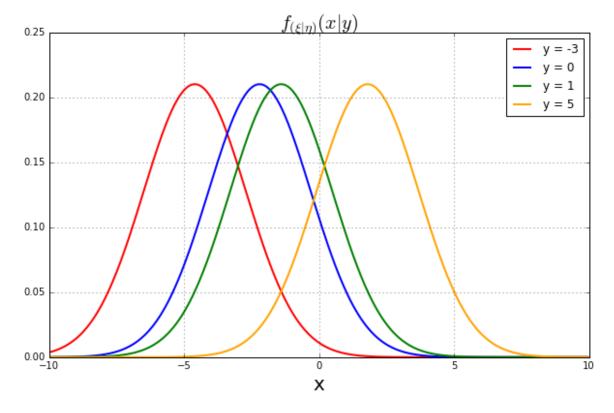
Графики зависимости $f_{(\xi_1|\xi_2)}(x|y)$ от х

In [31]:

from math import sqrt

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In [47]:



In []: