

## Exercise 1b

- use "surf" to create a surface plot of  $z = e^{-x^2-y^2}$
- don't forget "meshgrid" (why is this important?)

- similar question for the more complicated:

$$T = -\tanh(\text{arg}),$$

$$\text{arg} = \dots$$

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etcetera

- domain:  $[-4, 4] \times [-4, 4]$
- check axis, xlabel, title, ...

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- filename: katrina.m
- show hurricane plots at  $t=0, 1, \dots, 4$

(This  $T(x, y, t)$  solves the partial differential equation mentioned in the exercise)