

Spoken Tutorial, IIT Bombay

<https://spoken-tutorial.org>

Python 3.4.3

Using plot command interactively - Assignments

Assignment-1

Plot $(\sin(x)*\sin(x))/x$.

1. Save the plot as sinsquarebyx.pdf
2. Zoom and find the maxima.
3. Bring it back to initial position.

Assignment-2

1. Create 100 equally spaced points between $-\pi/2$ and $\pi/2$.
2. How can we find the length of a sequence?
3. What will the command `linspace(-pi, pi, 100)` do?
 - returns 100 evenly spaced samples from $-\pi$ to π ?
 - returns 100 evenly spaced samples from $-\pi$ to π excluding π but including $-\pi$?
 - returns 100 evenly spaced samples from $-\pi$ to π excluding $-\pi$ but including π ?
 - returns 100 evenly spaced samples from $-\pi$ to π including both $-\pi$ & π ?