PSI Solutions

Computer for Sciences SCI 378 A

Your turn 34

1 for loop import numpy as np for x in np. arange (0, w, 0.1): y = np.exp(-(x**2))print (y)

> # vectorize import numpy as np x = np. grange (0, 10, 0.1) y = np. exp(-(x * * 2))

PSI solutions.

(6) # without importing factorials

import numpy as np

N=10

mu = 2.0

for n in np. arange (0, N+1, 1):

if (n == 0):

y = np. exp(-mu) * (mu *m)

print ("n = {}, y={:.4}".format(n,y))

else:

p = np. arange(1, n+1, 1) y = (np. exp(-mu)*(mu**n)/p.predi) $print("n={3, p={3, y={3.6f}}.format(n,p,y)})$

PSI [c

using imported factorial from supprespecial

Import numpy as no from scipy-special import factorial

N = 10

mu = 2.0

 $\eta = np.arange(0, N+1, 1)$

y = np. exp(-mu) * mu **n / factorial(n)

optional print statement

print (n, y)