Y=sinx 曲线

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| # 导入包  from \_\_future\_\_ import print\_function  import numpy as np  import matplotlib.pyplot as plt  import math  import pylab  #x = np.linspace(0,180,50)  #初始化随机数据  x = pylab.arange( 0, 10, 0.1)  print(x)  #y = math.sin(x)  y = np.sin(x)  print(y)  plt.plot(x,y)  plt.show() |

打印出x数据：

[0. 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1. 1.1 1.2 1.3 1.4 1.5 1.6 1.7

1.8 1.9 2. 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3. 3.1 3.2 3.3 3.4 3.5

3.6 3.7 3.8 3.9 4. 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5. 5.1 5.2 5.3

5.4 5.5 5.6 5.7 5.8 5.9 6. 6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 7. 7.1

7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 8. 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9

9. 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9]

打印出y数据：

[ 0. 0.09983342 0.19866933 0.29552021 0.38941834 0.47942554

0.56464247 0.64421769 0.71735609 0.78332691 0.84147098 0.89120736

0.93203909 0.96355819 0.98544973 0.99749499 0.9995736 0.99166481

0.97384763 0.94630009 0.90929743 0.86320937 0.8084964 0.74570521

0.67546318 0.59847214 0.51550137 0.42737988 0.33498815 0.23924933

0.14112001 0.04158066 -0.05837414 -0.15774569 -0.2555411 -0.35078323

-0.44252044 -0.52983614 -0.61185789 -0.68776616 -0.7568025 -0.81827711

-0.87157577 -0.91616594 -0.95160207 -0.97753012 -0.993691 -0.99992326

-0.99616461 -0.98245261 -0.95892427 -0.92581468 -0.88345466 -0.83226744

-0.77276449 -0.70554033 -0.63126664 -0.55068554 -0.46460218 -0.37387666

-0.2794155 -0.1821625 -0.0830894 0.0168139 0.1165492 0.21511999

0.31154136 0.40484992 0.49411335 0.57843976 0.6569866 0.72896904

0.79366786 0.85043662 0.8987081 0.93799998 0.96791967 0.98816823

0.99854335 0.99894134 0.98935825 0.96988981 0.94073056 0.90217183

0.85459891 0.79848711 0.7343971 0.66296923 0.58491719 0.50102086

0.41211849 0.31909836 0.22288991 0.12445442 0.02477543 -0.07515112

-0.17432678 -0.27176063 -0.36647913 -0.45753589]



输出y=sinx曲线：

