```
from scipy import constants
print(dir(constants))
     ['Avogadro', 'Boltzmann', 'Btu', 'Btu_IT', 'Btu_th', 'ConstantWarning', 'G', 'Julian_year', 'N_A', 'Planck', 'R', 'Rydberg', 'Stefan_Bol
                                                                                                                                 Q
Close
print(constants.yotta)
print(constants.zetta)
print(constants.exa)
print(constants.peta)
print(constants.tera)
print(constants.giga)
print(constants.mega)
print(constants.kilo)
print(constants.hecto)
print(constants.deka)
print(constants.deci)
print(constants.centi)
print(constants.milli)
print(constants.micro)
print(constants.nano)
print(constants.pico)
print(constants.femto)
print(constants.atto)
print(constants.zepto)
     1e+24
     1e+21
     10000000000000.0
     1000000000.0
     1000000.0
     1000.0
     100.0
     10.0
     0.01
     0.001
     1e-06
1e-09
     1e-12
     1e-15
     1e-18
     1e-21
print(constants.kibi)
print(constants.mebi)
print(constants.gibi)
print(constants.tebi)
print(constants.pebi)
print(constants.exbi)
print(constants.zebi)
print(constants.yobi)
     1024
     1048576
     1073741824
1099511627776
     1125899906842624
     1152921504606846976
     1180591620717411303424
     1208925819614629174706176
print(constants.degree)
print(constants.arcmin)
print(constants.arcminute)
print(constants.arcsec)
print(constants.arcsecond)
     0.017453292519943295
     0.0002908882086657216
0.0002908882086657216
     4.84813681109536e-06
```

```
4.84813681109536e-06
print(constants.minute)
print(constants.hour)
print(constants.day)
print(constants.week)
print(constants.year)
print(constants.Julian_year)
     60.0
     3600.0
     86400.0
     604800.0
     31536000.0
     31557600.0
print(constants.inch)
print(constants.foot)
print(constants.yard)
print(constants.mile)
print(constants.mil)
print(constants.pt)
print(constants.point)
print(constants.survey_foot)
print(constants.survey_mile)
print(constants.nautical_mile)
print(constants.fermi)
print(constants.angstrom)
print(constants.micron)
print(constants.au)
print(constants.astronomical unit)
print(constants.light_year)
print(constants.parsec)
     0.0254
     0.30479999999999996
     0.9143999999999999
     1609.3439999999998
     2.539999999999997e-05
     0.0003527777777777776
     0.000352777777777776
     0.3048006096012192
     1609.3472186944373
     1852.0
     1e-15
     1e-10
     1e-06
     149597870700.0
     149597870700.0
     9460730472580800.0
     3.085677581491367e+16
from scipy import linalg
import numpy as np
a = np.array([[3, 2, 0], [1, -1, 0], [0, 5, 1]])
b = np.array([2, 4, -1])
x = linalg.solve(a, b)
print(x)
     [ 2. -2. 9.]
from scipy import linalg
import numpy as np
A = np.array([[1,2],[3,4]])
x = linalg.det(A)
print (x)
     -2.0
from scipy import linalg
import numpy as np
A = np.array([[1,2],[3,4]])
```

```
[-0.37228132+0.j 5.37228132+0.j]
     [[-0.82456484 -0.41597356]
      [ 0.56576746 -0.90937671]]
import numpy as np
array1 = np.array([1, 3, 5])
array2 = np.array([2, 4, 6])
result = np.dot(array1, array2)
print(result)
→ 44
array1 = np.array([[1, 3],[5, 7]])
array2 = np.array([[2, 4],[6, 8]])
result = np.inner(array1, array2)
print(result)
     [[14 30]
      [38 86]]
array1 = np.array([1, 3, 5])
array2 = np.array([2, 4, 6])
result = np.outer(array1, array2)
print(result)
     [[ 2 4 6]
      [ 6 12 18]
      [10 20 30]]
A = np.array([[2, 4],
[6, 8]])
b = np.array([5, 6])
x = np.linalg.solve(A, b)
print(x)
     [-2. 2.25]
import numpy as np
array1 = np.array([[6, 3, 5],
[9, 2, 1],
[7, 8, 4]])
result = np.trace(array1)
print(result)
     12
```

Start coding or generate with AI.

https://colab.research.google.com/drive/1vWD0100IOpczGGiv8d6eczLjzp7PtfKr?authuser=0#scrollTo=dVk9YHEHb8eD&printMode=true