TrigToExp[Sinh[x]]

Out[•]=

$$-\frac{\mathbb{C}^{-x}}{2} + \frac{\mathbb{C}^{x}}{2}$$

In[•]:=

TrigToExp[Sin[x]]

三角函数… 上正弦

Out[•]=

$$\frac{1}{2} \stackrel{\textrm{!`}}{\text{!`}} e^{-i \cdot x} - \frac{1}{2} \stackrel{\textrm{!`}}{\text{!`}} e^{i \cdot x}$$

In[•]:= % // TraditionalForm

传统格式

Out[•]//TraditionalForm=

$$-\frac{1}{2} i e^{-ix} \left(-1 + e^{2ix}\right)$$

$$ln[\cdot]:=$$
 Simplify $\left[\frac{1}{2} \dot{\mathbf{n}} e^{-\dot{\mathbf{n}} \cdot \mathbf{x}} - \frac{1}{2} \dot{\mathbf{n}} e^{\dot{\mathbf{n}} \cdot \mathbf{x}}\right]$

Out[•]=

$$-\frac{1}{2} i e^{-i x} \left(-1 + e^{2 i x}\right)$$

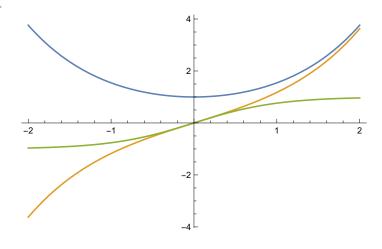
Out[•]=

Sin[x]

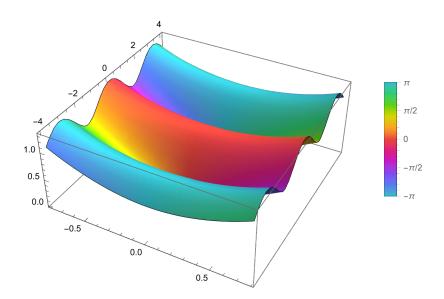
 Plot[{Cosh[x], Sinh[x], Tanh[x]}, {x, -2, 2}]

 L绘图
 | 双曲余弦
 | 双曲正弦
 | 双曲正切

Out[•]=



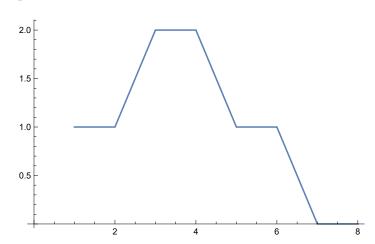
Out[•]=



In[•]:=

pts = {1, 1, 2, 2, 1, 1, 0, 0}; ListLinePlot[pts] L绘制点集的线条

Out[•]=

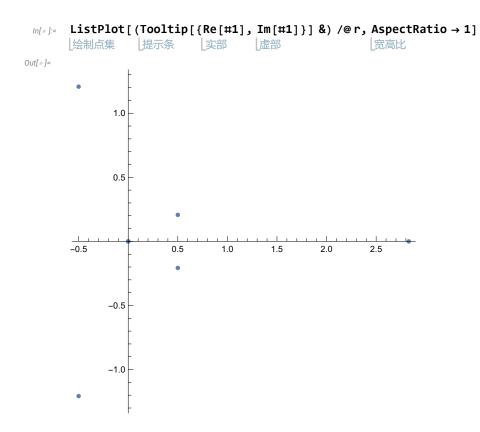


In[•]:=

r = Fourier[pts] _傅立叶

Out[•]=

 $\{ 2.82843 + 0. \ \dot{\mathbb{1}}, -0.5 + 1.20711 \ \dot{\mathbb{1}}, \ 0. + 0. \ \dot{\mathbb{1}}, \ 0.5 - 0.207107 \ \dot{\mathbb{1}}, \\ 0. + 0. \ \dot{\mathbb{1}}, \ 0.5 + 0.207107 \ \dot{\mathbb{1}}, \ 0. + 0. \ \dot{\mathbb{1}}, -0.5 - 1.20711 \ \dot{\mathbb{1}} \, \}$



参考文档

https://zhuanlan.zhihu.com/p/20042215