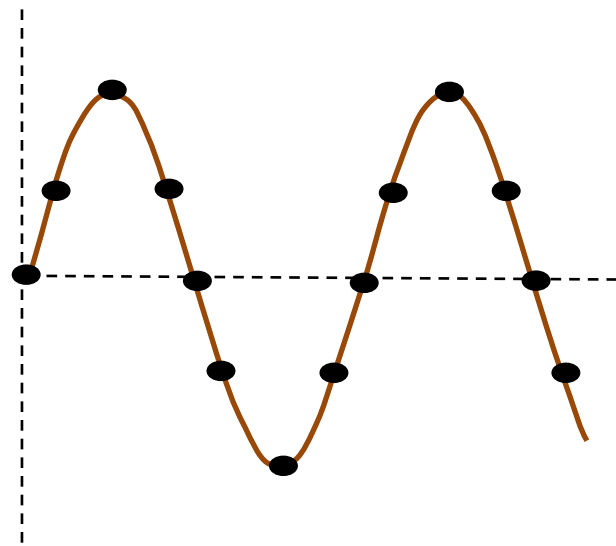
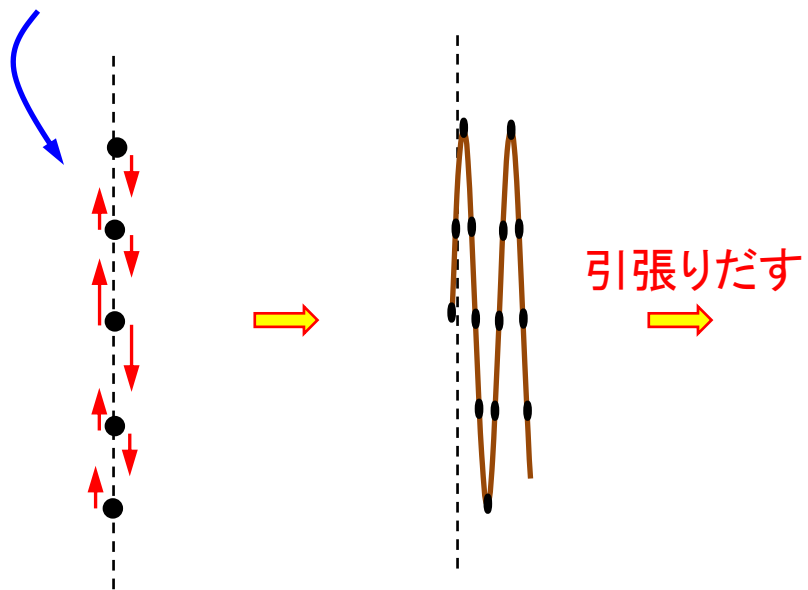
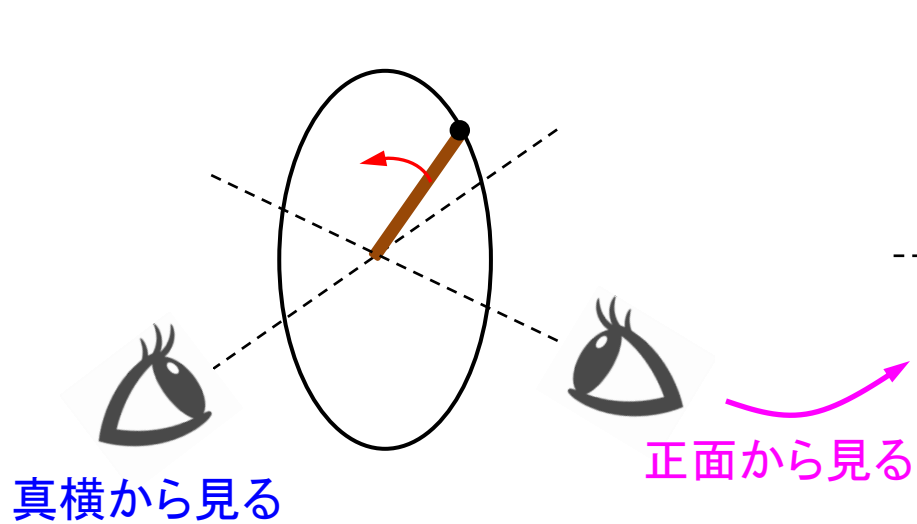


# 直観でわかる数学

著者：畑村洋太郎

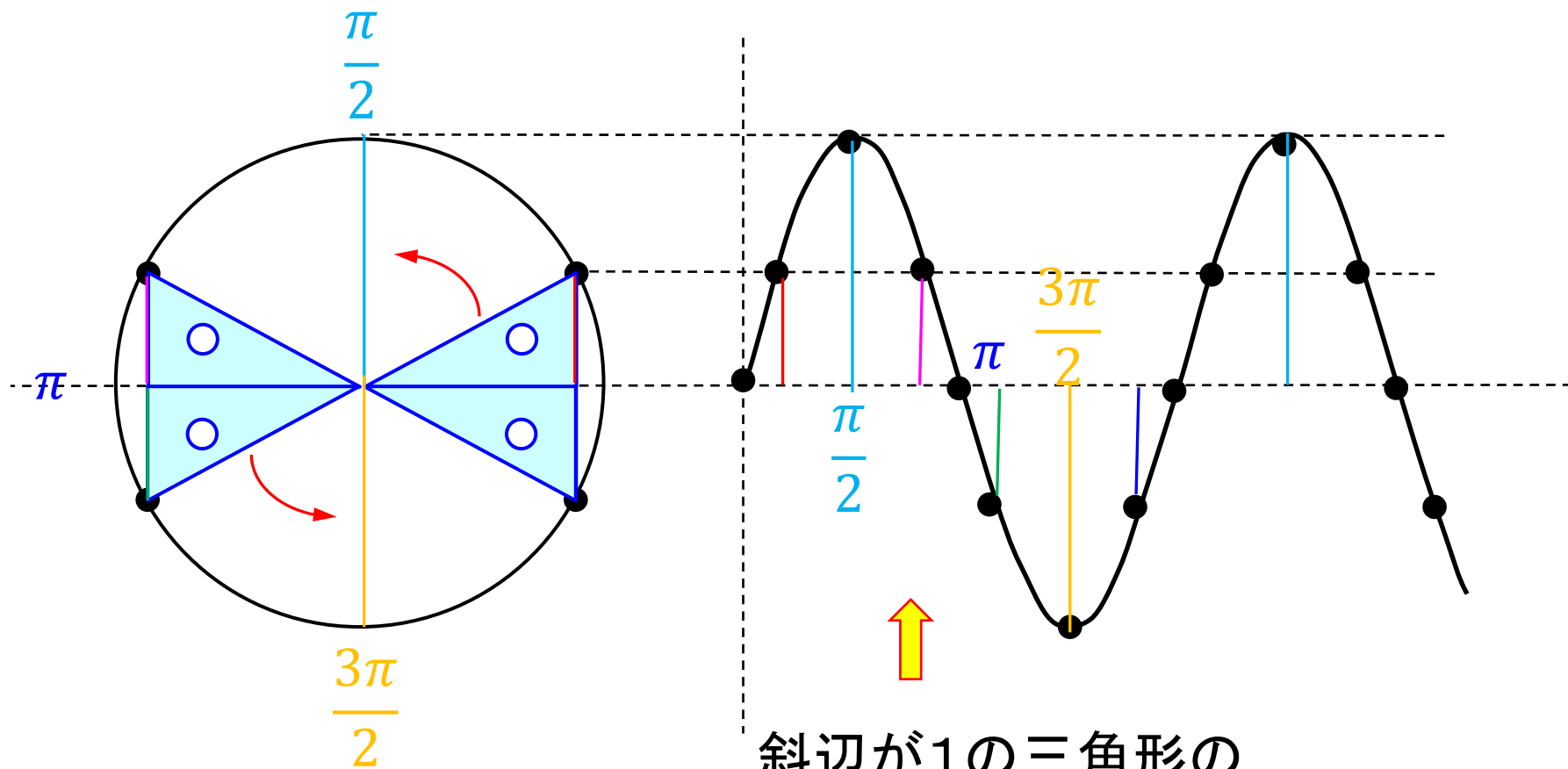
発行所：岩波書店



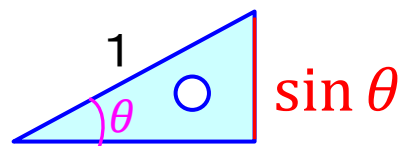
棒の先端が  
上下に動く

Sin波になる

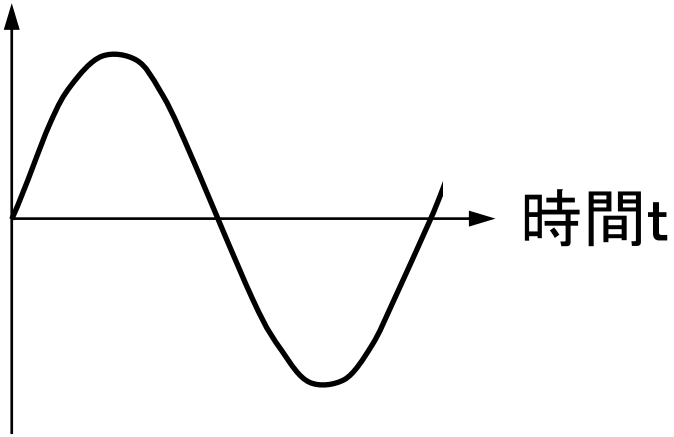
三角関数は $\theta$ が異なる三角定規が回っているようなもの



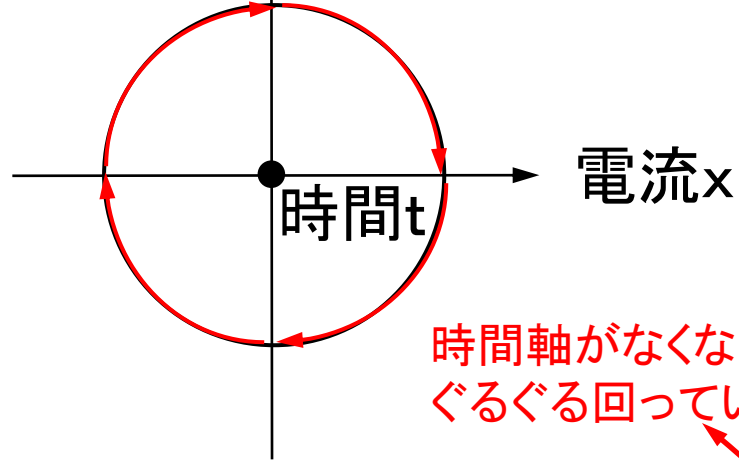
斜辺が1の三角形の  
 $\sin \theta$ を $\theta$ に対してプロットする



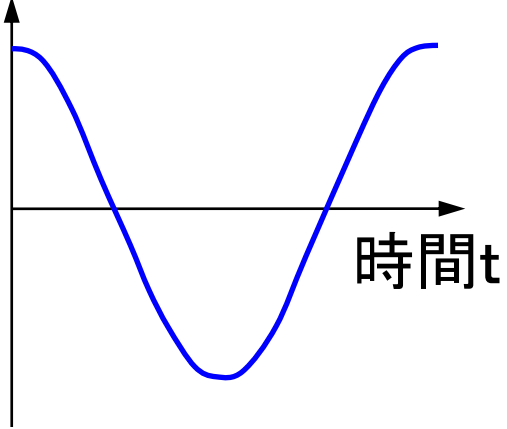
電流x



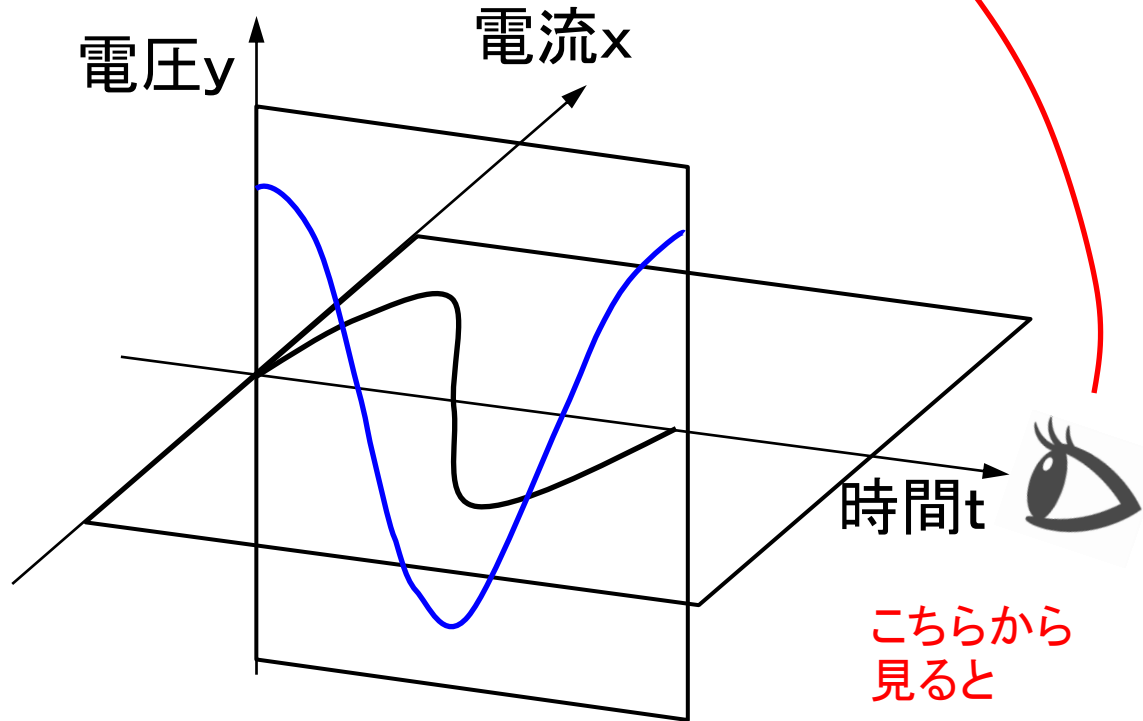
電圧y



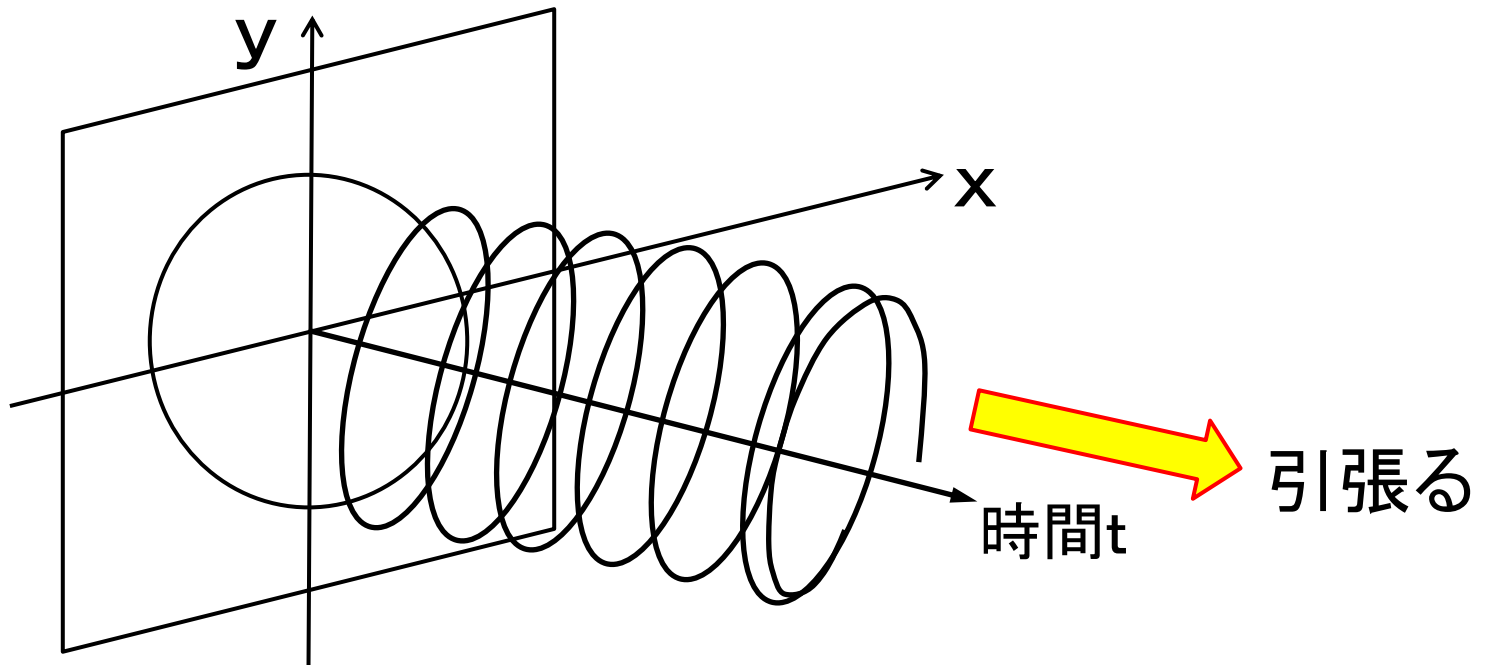
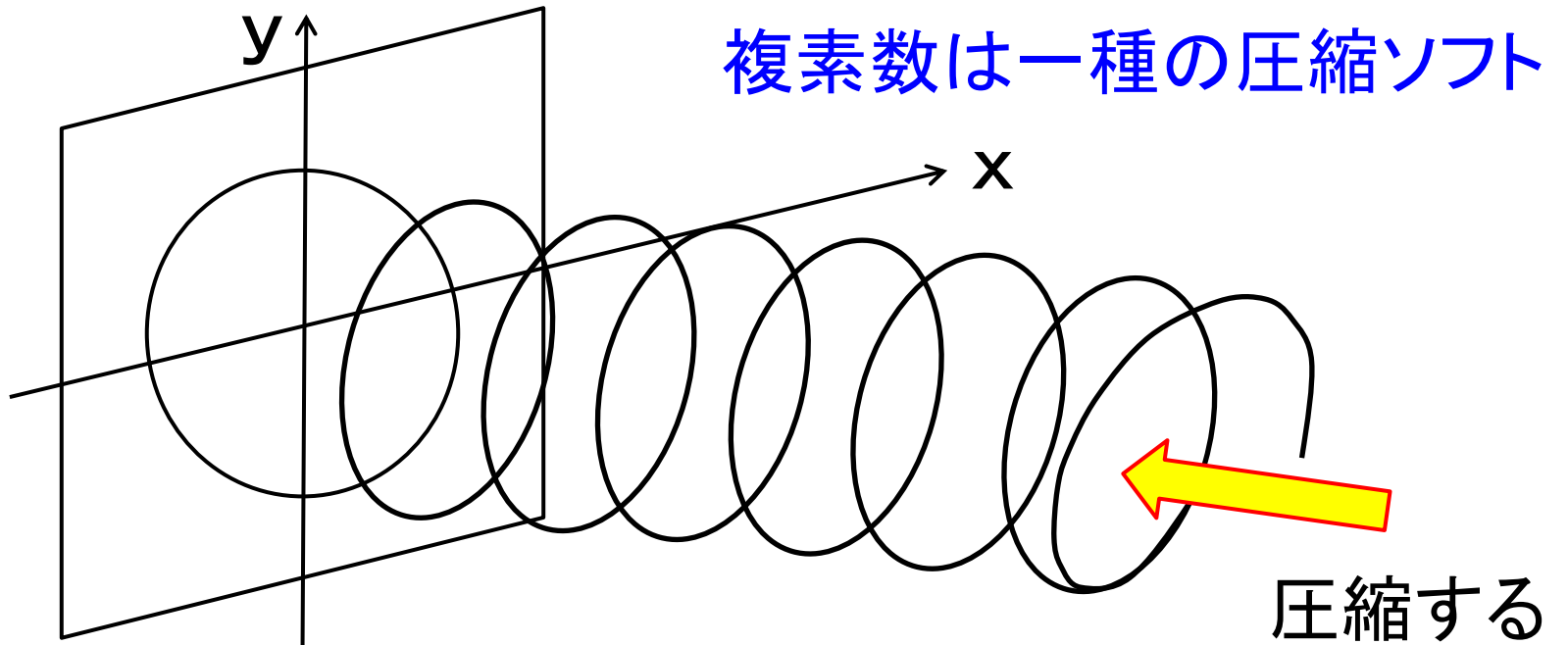
電圧y



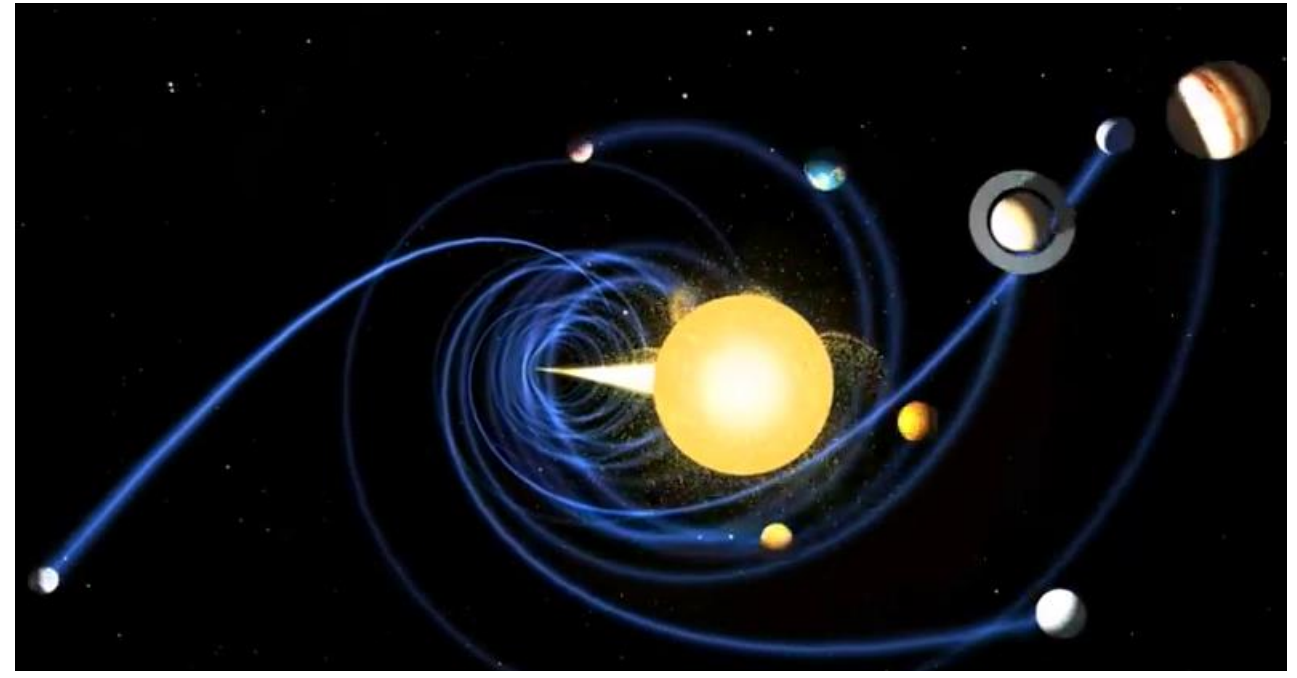
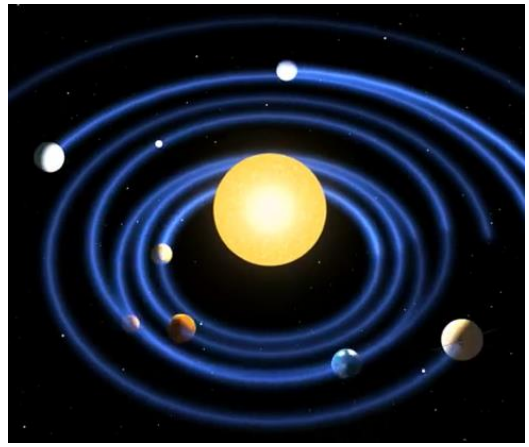
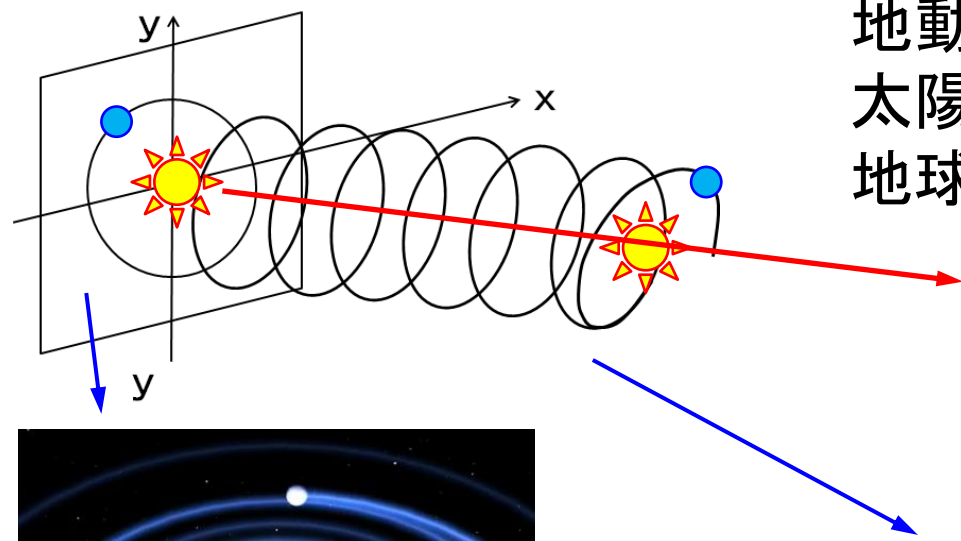
電圧y

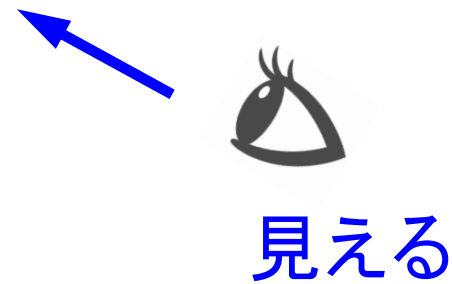
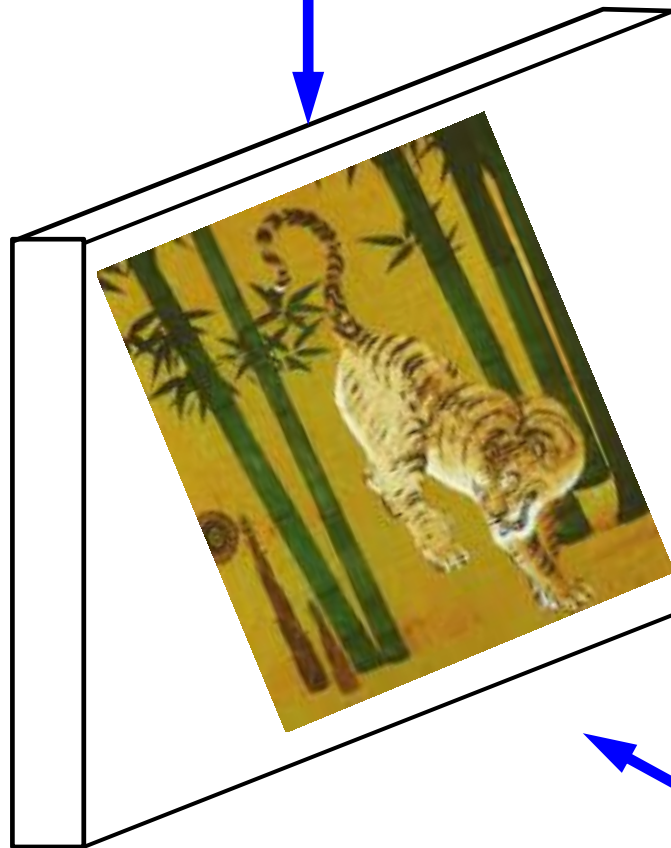
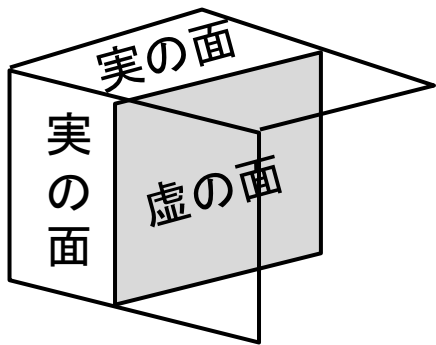


# 複素数は一種の圧縮ソフト



地動説は平面状  
太陽が公転しているの  
地球は螺旋運動





$$S = P \left( 1 + \frac{k}{n} \right)^n$$

$S$ : 金額合計

$P$ : 元金

$k$ : 年利

$n$ : 利子の繰入回数

$n$	1	2	4	16	32	128	1024	4096	.....
$\left( 1 + \frac{1}{n} \right)^n$	2.0000	2.2500	2.4414	2.6379	2.6770	2.7077	2.7170	2.7180	.....

自然数  $e$ : 2.71828..... (フナヒトハチフタハチ、鮎一鉢二鉢)