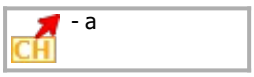
Pi Calculation
Parallel Processing

Calculus II

This is one of the parallel processing files. The Calculus I and Calculus II are files which do mathematical calculations of Pi - ΠΤ in parallel, therefore we get twice as fast results of Pi - ΠΤ. The file which collects results from the Calculus I and Calculus II and sets up variables between the files is the Parallel processing master.

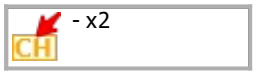
```
calcPi(npoints)
{
  circlePoints := 0
  for(i := 0 , i < npoints , i += 1)
  {
    xcord := randnum(-1 , 1)
    ycord := randnum(-1 , 1)
    if(xcord^2 + ycord^2 <= 1)
    {
      circlePoints += 1
    }
  }
  return(circlePoints)
}
```

```
a := 0
a = 2000
```



Import number of points from the main document

```
x2 := calcPi(a)
x2 = 1593
```



Export number of points in the circle to Channel