

HP. COMPLEX VARIABLES PROGRAMS

POLR

```
<< CLLCD DUP2 DUP2
  →STR "i" + " + "
  SWAP + SWAP →STR
  SWAP + 1 DISP SQ
  SWAP SQ + √ →STR
  "length=" SWAP + 3
  DISP arg "theta="
  SWAP + 4 DISP
```

>>

3:

2:

1:

real part

imag. part

arg

```
<< DEG R→C ARG DG→RD
```

RAD

>>

3:

2:

1:

real part

imag. part

DG→RD

```
<< D→R π / →NUM 1 1
```

DO DROP 1 + DUP 3

ROLL DUP 4 ROLL *

DUP DUP IP

UNTIL ==

END SWAP 3 ROLL

DROP SWAP DUP DUP

IF ABS ≠

THEN SWAP DUP 2 *

3 ROLL + SWAP

ELSE SWAP

END DUP2

WHILE DUP

REPEAT SWAP OVER

3:

2:

1:

angle

in degrees

DG→RD cont...

MOD

END DROP DUP 3

ROLLD / 3 ROLLD /

SWAP →STR SWAP →STR

"/" + SWAP + "π" +

>>

RD→DG

<< π →NUM * R→D IP

3:

>>

2:

1:

angle

↑
in radians
without π

Ex! for $\frac{3}{2}\pi$ enter

1.5 on the stack