Pro\_PlotPolar

这是MathBox的绘制极坐标图像的函数。

它的参数如下：

Pro\_PlotPolar()

Pro\_PlotPolar(Function f)

Pro\_PlotPolar(Function f,Number start,Number end)

Pro\_PlotPolar(Matrix datas)

第一函数可以打开绘制极坐标的窗口。

第二个函数可以绘制指定的Function的极坐标图像，而函数的自变量的范围为[-3.1415925,3.1415926]。

第二个函数较第一个增加了两个Number变量，用于指定自变量的范围。

第四个函数是把给定的Matrix变量里的数据绘制到极坐标下。

#示例

Function f(x)=Cos(10\*x);

Pro\_PlotPolar(f);

Pro\_PlotPolar(f,0,10);

Matrix save(1,1);

Pro\_AntennaWire\_SSA(3,2,10,save); //调用一个天线方向图函数来填充save

Pro\_PlotPolar(save);

输出:

>>New Function.

>> f=Cos(10\*x)

>>Open a new canvas.

>>new polar graph!

>>new polar graph!

>>New Matrix.

>> save=

0.000

>>Rewrite Matrix.

>> save=

-180.000 0.700

-179.943 0.700

-179.885 0.700

-179.828 0.700

-179.771 0.700

-179.714 0.700

-179.656 0.700

-179.599 0.700

-179.542 0.700

-179.484 0.700

-179.427 0.700

-179.370 0.699

-179.312 0.699

-179.255 0.699

-179.198 0.699

-179.141 0.699

-179.083 0.699

-179.026 0.698

-178.969 0.698

-178.911 0.698

-178.854 0.698

-178.797 0.698

-178.739 0.697

-178.682 0.697

-178.625 0.697

-178.568 0.697

-178.510 0.696

-178.453 0.696

-178.396 0.696

-178.338 0.695

-178.281 0.695

-178.224 0.695

-178.167 0.694

-178.109 0.694

-178.052 0.693

-177.995 0.693

-177.937 0.693

-177.880 0.692

-177.823 0.692

-177.765 0.691

-177.708 0.691

-177.651 0.690

-177.594 0.690

-177.536 0.689

-177.479 0.689

-177.422 0.688

-177.364 0.688

-177.307 0.687

-177.250 0.687

-177.193 0.686

-177.135 0.686

-177.078 0.685

-177.021 0.685

-176.963 0.684

-176.906 0.683

-176.849 0.683

-176.791 0.682

-176.734 0.681

-176.677 0.681

-176.620 0.680

-176.562 0.679

-176.505 0.679

-176.448 0.678

-176.390 0.677

-176.333 0.676

-176.276 0.676

-176.218 0.675

-176.161 0.674

-176.104 0.673

-176.047 0.672

-175.989 0.672

-175.932 0.671

-175.875 0.670

-175.817 0.669

-175.760 0.668

-175.703 0.667

-175.646 0.667

-175.588 0.666

-175.531 0.665

-175.474 0.664

-175.416 0.663

-175.359 0.662

-175.302 0.661

-175.244 0.660

-175.187 0.659

-175.130 0.658

-175.073 0.657

-175.015 0.656

-174.958 0.655

-174.901 0.654

-174.843 0.653

-174.786 0.652

-174.729 0.650

-174.671 0.649

-174.614 0.648

-174.557 0.647

-174.500 0.646

-174.442 0.645

-174.385 0.644

-174.328 0.642

-174.270 0.641

-174.213 0.640

-174.156 0.639

-174.099 0.638

-174.041 0.636

-173.984 0.635

-173.927 0.634

-173.869 0.632

-173.812 0.631

-173.755 0.630

-173.697 0.629

-173.640 0.627

-173.583 0.626

-173.526 0.624

-173.468 0.623

-173.411 0.622

-173.354 0.620

-173.296 0.619

-173.239 0.617

-173.182 0.616

-173.125 0.614

-173.067 0.613

-173.010 0.611

-172.953 0.610

-172.895 0.608

-172.838 0.607

-172.781 0.605

-172.723 0.604

-172.666 0.602

-172.609 0.601

-172.552 0.599

-172.494 0.597

-172.437 0.596

-172.380 0.594

-172.322 0.592

-172.265 0.591

-172.208 0.589

-172.150 0.587

-172.093 0.586

-172.036 0.584

-171.979 0.582

-171.921 0.580

-171.864 0.579

-171.807 0.577

-171.749 0.575

-171.692 0.573

-171.635 0.571

-171.578 0.570

-171.520 0.568

-171.463 0.566

-171.406 0.564

-171.348 0.562

-171.291 0.560

-171.234 0.558

-171.176 0.556

-171.119 0.554

-171.062 0.552

-171.005 0.550

-170.947 0.548

-170.890 0.546

-170.833 0.544

-170.775 0.542

-170.718 0.540

-170.661 0.538

-170.603 0.536

-170.546 0.534

-170.489 0.532

-170.432 0.530

-170.374 0.528

-170.317 0.525

-170.260 0.523

-170.202 0.521

-170.145 0.519

-170.088 0.517

-170.031 0.514

-169.973 0.512

-169.916 0.510

-169.859 0.508

-169.801 0.505

-169.744 0.503

-169.687 0.501

-169.629 0.498

-169.572 0.496

-169.515 0.494

-169.458 0.491

-169.400 0.489

-169.343 0.487

-169.286 0.484

-169.228 0.482

-169.171 0.479

-169.114 0.477

-169.057 0.474

-168.999 0.472

-168.942 0.469

-168.885 0.467

-168.827 0.464

-168.770 0.462

-168.713 0.459

-168.655 0.457

-168.598 0.454

-168.541 0.452

-168.484 0.449

-168.426 0.446

-168.369 0.444

-168.312 0.441

-168.254 0.438

-168.197 0.436

-168.140 0.433

-168.082 0.430

-168.025 0.428

-167.968 0.425

-167.911 0.422

-167.853 0.420

-167.796 0.417

-167.739 0.414

-167.681 0.411

-167.624 0.408

-167.567 0.406

-167.510 0.403

-167.452 0.400

-167.395 0.397

-167.338 0.394

-167.280 0.391

-167.223 0.388

-167.166 0.386

-167.108 0.383

-167.051 0.380

-166.994 0.377

-166.937 0.374

-166.879 0.371

-166.822 0.368

-166.765 0.365

-166.707 0.362

-166.650 0.359

-166.593 0.356

-166.535 0.353

-166.478 0.350

-166.421 0.347

-166.364 0.344

-166.306 0.341

-166.249 0.338

-166.192 0.334

-166.134 0.331

-166.077 0.328

-166.020 0.325

-165.963 0.322

-165.905 0.319

-165.848 0.316

-165.791 0.313

-165.733 0.309

-165.676 0.306

-165.619 0.303

-165.561 0.300

-165.504 0.297

-165.447 0.293

-165.390 0.290

-165.332 0.287

-165.275 0.284

-165.218 0.280

-165.160 0.277

-165.103 0.274

-165.046 0.271

-164.989 0.267

-164.931 0.264

-164.874 0.261

-164.817 0.257

-164.759 0.254

-164.702 0.251

-164.645 0.247

-164.587 0.244

-164.530 0.241

-164.473 0.237

-164.416 0.234

-164.358 0.231

-164.301 0.227

-164.244 0.224

-164.186 0.221

-164.129 0.217

-164.072 0.214

-164.014 0.210

-163.957 0.207

-163.900 0.204

-163.843 0.200

-163.785 0.197

-163.728 0.193

-163.671 0.190

-163.613 0.186

-163.556 0.183

-163.499 0.180

-163.442 0.176

-163.384 0.173

-163.327 0.169

-163.270 0.166

-163.212 0.162

-163.155 0.159

-163.098 0.156

-163.040 0.152

-162.983 0.149

-162.926 0.145

-162.869 0.142

-162.811 0.138

-162.754 0.135

-162.697 0.131

-162.639 0.128

-162.582 0.124

-162.525 0.121

-162.467 0.118

-162.410 0.114

-162.353 0.111

-162.296 0.107

-162.238 0.104

-162.181 0.100

-162.124 0.097

-162.066 0.093

-162.009 0.090

-161.952 0.087

-161.895 0.083

-161.837 0.080

-161.780 0.076

-161.723 0.073

-161.665 0.070

-161.608 0.066

-161.551 0.063

-161.493 0.059

-161.436 0.056

-161.379 0.053

-161.322 0.049

-161.264 0.046

-161.207 0.042

-161.150 0.039

-161.092 0.036

-161.035 0.032

-160.978 0.029

-160.921 0.026

-160.863 0.022

-160.806 0.019

-160.749 0.016

-160.691 0.013

-160.634 0.009

-160.577 0.006

-160.519 0.003

-160.462 0.001

-160.405 0.004

-160.348 0.007

-160.290 0.010

-160.233 0.013

-160.176 0.017

-160.118 0.020

-160.061 0.023

-160.004 0.026

-159.946 0.029

-159.889 0.032

-159.832 0.036

-159.775 0.039

-159.717 0.042

-159.660 0.045

-159.603 0.048

-159.545 0.051

-159.488 0.054

-159.431 0.057

-159.374 0.060

-159.316 0.063

-159.259 0.066

-159.202 0.069

-159.144 0.072

-159.087 0.075

-159.030 0.077

-158.972 0.080

-158.915 0.083

-158.858 0.086

-158.801 0.089

-158.743 0.092

-158.686 0.094

-158.629 0.097

-158.571 0.100

-158.514 0.102

-158.457 0.105

-158.399 0.108

-158.342 0.110

-158.285 0.113

-158.228 0.116

-158.170 0.118

-158.113 0.121

-158.056 0.123

-157.998 0.126

-157.941 0.128

-157.884 0.131

-157.827 0.133

-157.769 0.136

-157.712 0.138

-157.655 0.140

-157.597 0.143

-157.540 0.145

-157.483 0.147

-157.425 0.149

-157.368 0.152

-157.311 0.154

-157.254 0.156

-157.196 0.158

-157.139 0.160

-157.082 0.162

...

179.989 0.700

>>new polar graph!