**octave:1>** p(-2.5)

*error: 'p' undefined near line 1, column 1*

**octave:2>** help polyval

'polyval' is a function from the file /usr/local/share/octave/8.4.0/m/polynomial/polyval.m

-- Y = polyval (P, X)

-- Y = polyval (P, X, [], MU)

-- [Y, DY] = polyval (P, X, S)

-- [Y, DY] = polyval (P, X, S, MU)

Evaluate the polynomial P at the specified values of X.

If X is a vector or matrix, the polynomial is evaluated for each of

the elements of X.

When MU is present, evaluate the polynomial for

(X - MU(1)) / MU(2).

In addition to evaluating the polynomial, the second output

represents the prediction interval, Y +/- DY, which contains at

least 50% of the future predictions. To calculate the prediction

interval, the structured variable S, originating from 'polyfit',

must be supplied.

See also: polyvalm, polyaffine, polyfit, roots, poly.

Additional help for built-in functions and operators is

available in the online version of the manual. Use the command

'doc <topic>' to search the manual index.

Help and information about Octave is also available on the WWW

at https://www.octave.org and via the help@octave.org

mailing list.

**octave:3>** p=[1,-5,-16,16,-17,21]

p =

1 -5 -16 16 -17 21

**octave:4>** polyval(p,-2.5)

ans = 120.53

**octave:5>** [-4,7.2]

ans =

-4.0000 7.2000

**octave:6>** x = -4:0.1:7.2

x =

Columns 1 through 8:

-4.0000 -3.9000 -3.8000 -3.7000 -3.6000 -3.5000 -3.4000 -3.3000

Columns 9 through 16:

-3.2000 -3.1000 -3.0000 -2.9000 -2.8000 -2.7000 -2.6000 -2.5000

Columns 17 through 24:

-2.4000 -2.3000 -2.2000 -2.1000 -2.0000 -1.9000 -1.8000 -1.7000

Columns 25 through 32:

-1.6000 -1.5000 -1.4000 -1.3000 -1.2000 -1.1000 -1.0000 -0.9000

Columns 33 through 40:

-0.8000 -0.7000 -0.6000 -0.5000 -0.4000 -0.3000 -0.2000 -0.1000

Columns 41 through 48:

0 0.1000 0.2000 0.3000 0.4000 0.5000 0.6000 0.7000

Columns 49 through 56:

0.8000 0.9000 1.0000 1.1000 1.2000 1.3000 1.4000 1.5000

Columns 57 through 64:

1.6000 1.7000 1.8000 1.9000 2.0000 2.1000 2.2000 2.3000

Columns 65 through 72:

2.4000 2.5000 2.6000 2.7000 2.8000 2.9000 3.0000 3.1000

Columns 73 through 80:

3.2000 3.3000 3.4000 3.5000 3.6000 3.7000 3.8000 3.9000

Columns 81 through 88:

4.0000 4.1000 4.2000 4.3000 4.4000 4.5000 4.6000 4.7000

Columns 89 through 96:

4.8000 4.9000 5.0000 5.1000 5.2000 5.3000 5.4000 5.5000

Columns 97 through 104:

5.6000 5.7000 5.8000 5.9000 6.0000 6.1000 6.2000 6.3000

Columns 105 through 112:

6.4000 6.5000 6.6000 6.7000 6.8000 6.9000 7.0000 7.1000

Column 113:

7.2000

**octave:7>** px = polyval(p,x)

px =

Columns 1 through 6:

-9.3500e+02 -7.7920e+02 -6.4033e+02 -5.1713e+02 -4.0841e+02 -3.1303e+02

Columns 7 through 12:

-2.2990e+02 -1.5798e+02 -9.6304e+01 -4.3936e+01 0 3.6332e+01

Columns 13 through 18:

6.5840e+01 8.9258e+01 1.0727e+02 1.2053e+02 1.2963e+02 1.3513e+02

Columns 19 through 24:

1.3754e+02 1.3735e+02 1.3500e+02 1.3088e+02 1.2537e+02 1.1879e+02

Columns 25 through 30:

1.1144e+02 1.0359e+02 9.5478e+01 8.7299e+01 7.9232e+01 7.1425e+01

Columns 31 through 36:

6.4000e+01 5.7053e+01 5.0656e+01 4.4859e+01 3.9690e+01 3.5156e+01

Columns 37 through 42:

3.1246e+01 2.7929e+01 2.5160e+01 2.2875e+01 2.1000e+01 1.9444e+01

Columns 43 through 48:

1.8104e+01 1.6870e+01 1.5618e+01 1.4219e+01 1.2534e+01 1.0420e+01

Columns 49 through 54:

7.7277e+00 4.3060e+00 0 -5.3460e+00 -1.1888e+01 -1.9780e+01

Columns 55 through 60:

-2.9174e+01 -4.0219e+01 -5.3058e+01 -6.7830e+01 -8.4664e+01 -1.0368e+02

Columns 61 through 66:

-1.2500e+02 -1.4872e+02 -1.7492e+02 -2.0369e+02 -2.3509e+02 -2.6916e+02

Columns 67 through 72:

-3.0593e+02 -3.4542e+02 -3.8762e+02 -4.3249e+02 -4.8000e+02 -5.3006e+02

Columns 73 through 78:

-5.8259e+02 -6.3746e+02 -6.9452e+02 -7.5359e+02 -8.1448e+02 -8.7695e+02

Columns 79 through 84:

-9.4073e+02 -1.0055e+03 -1.0710e+03 -1.1368e+03 -1.2025e+03 -1.2677e+03

Columns 85 through 90:

-1.3319e+03 -1.3945e+03 -1.4551e+03 -1.5130e+03 -1.5676e+03 -1.6182e+03

Columns 91 through 96:

-1.6640e+03 -1.7043e+03 -1.7383e+03 -1.7650e+03 -1.7835e+03 -1.7930e+03

Columns 97 through 102:

-1.7922e+03 -1.7802e+03 -1.7558e+03 -1.7178e+03 -1.6650e+03 -1.5960e+03

Columns 103 through 108:

-1.5094e+03 -1.4039e+03 -1.2779e+03 -1.1299e+03 -9.5822e+02 -7.6118e+02

Columns 109 through 113:

-5.3702e+02 -2.8393e+02 0 3.1674e+02 6.6832e+02

**octave:8>** plot(x,px)

-2000-1500-1000-50005001000-4-202468

**octave:9>** roots(p)

ans =

7.0000 + 0i

-3.0000 + 0i

1.0000 + 0i

-0.0000 + 1.0000i

-0.0000 - 1.0000i

**octave:10>** polyval(p,7)

ans = 0

**octave:11>** polyval(0,2\*pi,150)

ans = 0

**octave:12>** x = linspace(0,2\*pi,150)

x =

Columns 1 through 8:

0 0.0422 0.0843 0.1265 0.1687 0.2108 0.2530 0.2952

Columns 9 through 16:

0.3374 0.3795 0.4217 0.4639 0.5060 0.5482 0.5904 0.6325

Columns 17 through 24:

0.6747 0.7169 0.7590 0.8012 0.8434 0.8855 0.9277 0.9699

Columns 25 through 32:

1.0121 1.0542 1.0964 1.1386 1.1807 1.2229 1.2651 1.3072

Columns 33 through 40:

1.3494 1.3916 1.4337 1.4759 1.5181 1.5603 1.6024 1.6446

Columns 41 through 48:

1.6868 1.7289 1.7711 1.8133 1.8554 1.8976 1.9398 1.9819

Columns 49 through 56:

2.0241 2.0663 2.1085 2.1506 2.1928 2.2350 2.2771 2.3193

Columns 57 through 64:

2.3615 2.4036 2.4458 2.4880 2.5301 2.5723 2.6145 2.6566

Columns 65 through 72:

2.6988 2.7410 2.7832 2.8253 2.8675 2.9097 2.9518 2.9940

Columns 73 through 80:

3.0362 3.0783 3.1205 3.1627 3.2048 3.2470 3.2892 3.3314

Columns 81 through 88:

3.3735 3.4157 3.4579 3.5000 3.5422 3.5844 3.6265 3.6687

Columns 89 through 96:

3.7109 3.7530 3.7952 3.8374 3.8796 3.9217 3.9639 4.0061

Columns 97 through 104:

4.0482 4.0904 4.1326 4.1747 4.2169 4.2591 4.3012 4.3434

Columns 105 through 112:

4.3856 4.4277 4.4699 4.5121 4.5543 4.5964 4.6386 4.6808

Columns 113 through 120:

4.7229 4.7651 4.8073 4.8494 4.8916 4.9338 4.9759 5.0181

Columns 121 through 128:

5.0603 5.1025 5.1446 5.1868 5.2290 5.2711 5.3133 5.3555

Columns 129 through 136:

5.3976 5.4398 5.4820 5.5241 5.5663 5.6085 5.6506 5.6928

Columns 137 through 144:

5.7350 5.7772 5.8193 5.8615 5.9037 5.9458 5.9880 6.0302

Columns 145 through 150:

6.0723 6.1145 6.1567 6.1988 6.2410 6.2832

**octave:13>** plot(x, sin(x))

-1-0.500.5101234567

**octave:14>** plot(x, sin(x),x,sin(2\*x);x,sin(3\*x))

*error: parse error:*

*syntax error*

*>>> plot(x, sin(x),x,sin(2\*x);x,sin(3\*x))*

*^*

**octave:14>** plot(x, sin(x),x,sin(2\*x),x,sin(3\*x))

-1-0.500.5101234567

**octave:15>** clf

**octave:16>** clf(x, sin(x),x,sin(2\*x),x,sin(3\*x))

*error: Invalid call to clf. Correct usage is:*

*-- clf*

*-- clf reset*

*-- clf (HFIG)*

*-- clf (HFIG, "reset")*

*-- H = clf (...)*

*Additional help for built-in functions and operators is*

*available in the online version of the manual. Use the command*

*'doc <topic>' to search the manual index.*

*Help and information about Octave is also available on the WWW*

*at https://www.octave.org and via the help@octave.org*

*mailing list.*

**octave:17>** clf

**octave:18>** plot(x, sin(x))

-1-0.500.5101234567

**octave:19>** hold on

-1-0.500.5101234567

**octave:20>** plot(x, sin(2x))

*error: parse error:*

*syntax error*

*>>> plot(x, sin(2x))*

*^*

**octave:20>** plot(x, sin(2\*x))

-1-0.500.5101234567

**octave:21>** plot(x, sin(3\*x))

-1-0.500.5101234567

**octave:22>** hold clf

*error: hold: invalid hold STATE*

*error: called from*

*hold at line 88 column 9*

**octave:23>** clf

*Connection lost. Attempting to reconnect...*

**octave:0>** f = @(x) sin(x)

f =

@(x) sin (x)

**octave:25>** f([1,2])

ans =

0.8415 0.9093

**octave:26>** fplot(f,[0,2\*pi])

-1-0.500.510123456(x) sin (x)

**octave:27>** hold on

-1-0.500.510123456(x) sin (x)

**octave:28>** subplot(3,1,1)

00.20.40.60.8100.20.40.60.81

**octave:29>** fplot(f,[0,2\*pi])

-1-0.500.510123456(x) sin (x)

**octave:30>** subplot(3,1,2)

-1-0.500.510123456(x) sin (x)00.20.40.60.8100.20.40.60.81

**octave:31>** fplot(@(x) sin(2\*x), [0,2\*pi])

-1-0.500.510123456(x) sin (x)-1-0.500.510123456(x) sin (2 \* x)

**octave:32>** clf

**octave:33>** t = linspace(0,10\*pi,1000)

t =

Columns 1 through 8:

0 0.0314 0.0629 0.0943 0.1258 0.1572 0.1887 0.2201

Columns 9 through 16:

0.2516 0.2830 0.3145 0.3459 0.3774 0.4088 0.4403 0.4717

Columns 17 through 24:

0.5032 0.5346 0.5661 0.5975 0.6289 0.6604 0.6918 0.7233

Columns 25 through 32:

0.7547 0.7862 0.8176 0.8491 0.8805 0.9120 0.9434 0.9749

Columns 33 through 40:

1.0063 1.0378 1.0692 1.1007 1.1321 1.1636 1.1950 1.2264

Columns 41 through 48:

1.2579 1.2893 1.3208 1.3522 1.3837 1.4151 1.4466 1.4780

Columns 49 through 56:

1.5095 1.5409 1.5724 1.6038 1.6353 1.6667 1.6982 1.7296

Columns 57 through 64:

1.7611 1.7925 1.8239 1.8554 1.8868 1.9183 1.9497 1.9812

Columns 65 through 72:

2.0126 2.0441 2.0755 2.1070 2.1384 2.1699 2.2013 2.2328

Columns 73 through 80:

2.2642 2.2957 2.3271 2.3586 2.3900 2.4214 2.4529 2.4843

Columns 81 through 88:

2.5158 2.5472 2.5787 2.6101 2.6416 2.6730 2.7045 2.7359

Columns 89 through 96:

2.7674 2.7988 2.8303 2.8617 2.8932 2.9246 2.9561 2.9875

Columns 97 through 104:

3.0189 3.0504 3.0818 3.1133 3.1447 3.1762 3.2076 3.2391

Columns 105 through 112:

3.2705 3.3020 3.3334 3.3649 3.3963 3.4278 3.4592 3.4907

Columns 113 through 120:

3.5221 3.5536 3.5850 3.6164 3.6479 3.6793 3.7108 3.7422

Columns 121 through 128:

3.7737 3.8051 3.8366 3.8680 3.8995 3.9309 3.9624 3.9938

Columns 129 through 136:

4.0253 4.0567 4.0882 4.1196 4.1511 4.1825 4.2139 4.2454

Columns 137 through 144:

4.2768 4.3083 4.3397 4.3712 4.4026 4.4341 4.4655 4.4970

Columns 145 through 152:

4.5284 4.5599 4.5913 4.6228 4.6542 4.6857 4.7171 4.7486

Columns 153 through 160:

4.7800 4.8114 4.8429 4.8743 4.9058 4.9372 4.9687 5.0001

Columns 161 through 168:

5.0316 5.0630 5.0945 5.1259 5.1574 5.1888 5.2203 5.2517

Columns 169 through 176:

5.2832 5.3146 5.3461 5.3775 5.4089 5.4404 5.4718 5.5033

Columns 177 through 184:

5.5347 5.5662 5.5976 5.6291 5.6605 5.6920 5.7234 5.7549

Columns 185 through 192:

5.7863 5.8178 5.8492 5.8807 5.9121 5.9436 5.9750 6.0064

Columns 193 through 200:

6.0379 6.0693 6.1008 6.1322 6.1637 6.1951 6.2266 6.2580

Columns 201 through 208:

6.2895 6.3209 6.3524 6.3838 6.4153 6.4467 6.4782 6.5096

Columns 209 through 216:

6.5411 6.5725 6.6039 6.6354 6.6668 6.6983 6.7297 6.7612

Columns 217 through 224:

6.7926 6.8241 6.8555 6.8870 6.9184 6.9499 6.9813 7.0128

Columns 225 through 232:

7.0442 7.0757 7.1071 7.1386 7.1700 7.2014 7.2329 7.2643

Columns 233 through 240:

7.2958 7.3272 7.3587 7.3901 7.4216 7.4530 7.4845 7.5159

Columns 241 through 248:

7.5474 7.5788 7.6103 7.6417 7.6732 7.7046 7.7361 7.7675

Columns 249 through 256:

7.7989 7.8304 7.8618 7.8933 7.9247 7.9562 7.9876 8.0191

Columns 257 through 264:

8.0505 8.0820 8.1134 8.1449 8.1763 8.2078 8.2392 8.2707

Columns 265 through 272:

8.3021 8.3336 8.3650 8.3964 8.4279 8.4593 8.4908 8.5222

Columns 273 through 280:

8.5537 8.5851 8.6166 8.6480 8.6795 8.7109 8.7424 8.7738

Columns 281 through 288:

8.8053 8.8367 8.8682 8.8996 8.9311 8.9625 8.9939 9.0254

Columns 289 through 296:

9.0568 9.0883 9.1197 9.1512 9.1826 9.2141 9.2455 9.2770

Columns 297 through 304:

9.3084 9.3399 9.3713 9.4028 9.4342 9.4657 9.4971 9.5286

Columns 305 through 312:

9.5600 9.5914 9.6229 9.6543 9.6858 9.7172 9.7487 9.7801

Columns 313 through 320:

9.8116 9.8430 9.8745 9.9059 9.9374 9.9688 10.0003 10.0317

Columns 321 through 328:

10.0632 10.0946 10.1261 10.1575 10.1889 10.2204 10.2518 10.2833

Columns 329 through 336:

10.3147 10.3462 10.3776 10.4091 10.4405 10.4720 10.5034 10.5349

Columns 337 through 344:

10.5663 10.5978 10.6292 10.6607 10.6921 10.7236 10.7550 10.7864

Columns 345 through 352:

10.8179 10.8493 10.8808 10.9122 10.9437 10.9751 11.0066 11.0380

Columns 353 through 360:

11.0695 11.1009 11.1324 11.1638 11.1953 11.2267 11.2582 11.2896

Columns 361 through 368:

11.3211 11.3525 11.3839 11.4154 11.4468 11.4783 11.5097 11.5412

Columns 369 through 376:

11.5726 11.6041 11.6355 11.6670 11.6984 11.7299 11.7613 11.7928

Columns 377 through 384:

11.8242 11.8557 11.8871 11.9186 11.9500 11.9814 12.0129 12.0443

Columns 385 through 392:

12.0758 12.1072 12.1387 12.1701 12.2016 12.2330 12.2645 12.2959

Columns 393 through 400:

12.3274 12.3588 12.3903 12.4217 12.4532 12.4846 12.5161 12.5475

Columns 401 through 408:

12.5789 12.6104 12.6418 12.6733 12.7047 12.7362 12.7676 12.7991

Columns 409 through 416:

12.8305 12.8620 12.8934 12.9249 12.9563 12.9878 13.0192 13.0507

Columns 417 through 424:

13.0821 13.1136 13.1450 13.1764 13.2079 13.2393 13.2708 13.3022

Columns 425 through 432:

13.3337 13.3651 13.3966 13.4280 13.4595 13.4909 13.5224 13.5538

Columns 433 through 440:

13.5853 13.6167 13.6482 13.6796 13.7111 13.7425 13.7739 13.8054

Columns 441 through 448:

13.8368 13.8683 13.8997 13.9312 13.9626 13.9941 14.0255 14.0570

Columns 449 through 456:

14.0884 14.1199 14.1513 14.1828 14.2142 14.2457 14.2771 14.3086

Columns 457 through 464:

14.3400 14.3714 14.4029 14.4343 14.4658 14.4972 14.5287 14.5601

Columns 465 through 472:

14.5916 14.6230 14.6545 14.6859 14.7174 14.7488 14.7803 14.8117

Columns 473 through 480:

14.8432 14.8746 14.9061 14.9375 14.9689 15.0004 15.0318 15.0633

Columns 481 through 488:

15.0947 15.1262 15.1576 15.1891 15.2205 15.2520 15.2834 15.3149

Columns 489 through 496:

15.3463 15.3778 15.4092 15.4407 15.4721 15.5036 15.5350 15.5665

Columns 497 through 504:

15.5979 15.6293 15.6608 15.6922 15.7237 15.7551 15.7866 15.8180

Columns 505 through 512:

15.8495 15.8809 15.9124 15.9438 15.9753 16.0067 16.0382 16.0696

Columns 513 through 520:

16.1011 16.1325 16.1640 16.1954 16.2268 16.2583 16.2897 16.3212

Columns 521 through 528:

16.3526 16.3841 16.4155 16.4470 16.4784 16.5099 16.5413 16.5728

Columns 529 through 536:

16.6042 16.6357 16.6671 16.6986 16.7300 16.7615 16.7929 16.8243

Columns 537 through 544:

16.8558 16.8872 16.9187 16.9501 16.9816 17.0130 17.0445 17.0759

Columns 545 through 552:

17.1074 17.1388 17.1703 17.2017 17.2332 17.2646 17.2961 17.3275

Columns 553 through 560:

17.3590 17.3904 17.4218 17.4533 17.4847 17.5162 17.5476 17.5791

Columns 561 through 568:

17.6105 17.6420 17.6734 17.7049 17.7363 17.7678 17.7992 17.8307

Columns 569 through 576:

17.8621 17.8936 17.9250 17.9565 17.9879 18.0193 18.0508 18.0822

Columns 577 through 584:

18.1137 18.1451 18.1766 18.2080 18.2395 18.2709 18.3024 18.3338

Columns 585 through 592:

18.3653 18.3967 18.4282 18.4596 18.4911 18.5225 18.5540 18.5854

Columns 593 through 600:

18.6168 18.6483 18.6797 18.7112 18.7426 18.7741 18.8055 18.8370

Columns 601 through 608:

18.8684 18.8999 18.9313 18.9628 18.9942 19.0257 19.0571 19.0886

Columns 609 through 616:

19.1200 19.1515 19.1829 19.2143 19.2458 19.2772 19.3087 19.3401

Columns 617 through 624:

19.3716 19.4030 19.4345 19.4659 19.4974 19.5288 19.5603 19.5917

Columns 625 through 632:

19.6232 19.6546 19.6861 19.7175 19.7490 19.7804 19.8118 19.8433

Columns 633 through 640:

19.8747 19.9062 19.9376 19.9691 20.0005 20.0320 20.0634 20.0949

Columns 641 through 648:

20.1263 20.1578 20.1892 20.2207 20.2521 20.2836 20.3150 20.3465

Columns 649 through 656:

20.3779 20.4093 20.4408 20.4722 20.5037 20.5351 20.5666 20.5980

Columns 657 through 664:

20.6295 20.6609 20.6924 20.7238 20.7553 20.7867 20.8182 20.8496

Columns 665 through 672:

20.8811 20.9125 20.9440 20.9754 21.0068 21.0383 21.0697 21.1012

Columns 673 through 680:

21.1326 21.1641 21.1955 21.2270 21.2584 21.2899 21.3213 21.3528

Columns 681 through 688:

21.3842 21.4157 21.4471 21.4786 21.5100 21.5415 21.5729 21.6043

Columns 689 through 696:

21.6358 21.6672 21.6987 21.7301 21.7616 21.7930 21.8245 21.8559

Columns 697 through 704:

21.8874 21.9188 21.9503 21.9817 22.0132 22.0446 22.0761 22.1075

Columns 705 through 712:

22.1390 22.1704 22.2018 22.2333 22.2647 22.2962 22.3276 22.3591

Columns 713 through 720:

22.3905 22.4220 22.4534 22.4849 22.5163 22.5478 22.5792 22.6107

Columns 721 through 728:

22.6421 22.6736 22.7050 22.7365 22.7679 22.7993 22.8308 22.8622

Columns 729 through 736:

22.8937 22.9251 22.9566 22.9880 23.0195 23.0509 23.0824 23.1138

Columns 737 through 744:

23.1453 23.1767 23.2082 23.2396 23.2711 23.3025 23.3340 23.3654

Columns 745 through 752:

23.3968 23.4283 23.4597 23.4912 23.5226 23.5541 23.5855 23.6170

Columns 753 through 760:

23.6484 23.6799 23.7113 23.7428 23.7742 23.8057 23.8371 23.8686

Columns 761 through 768:

23.9000 23.9315 23.9629 23.9943 24.0258 24.0572 24.0887 24.1201

Columns 769 through 776:

24.1516 24.1830 24.2145 24.2459 24.2774 24.3088 24.3403 24.3717

Columns 777 through 784:

24.4032 24.4346 24.4661 24.4975 24.5290 24.5604 24.5918 24.6233

Columns 785 through 792:

24.6547 24.6862 24.7176 24.7491 24.7805 24.8120 24.8434 24.8749

Columns 793 through 800:

24.9063 24.9378 24.9692 25.0007 25.0321 25.0636 25.0950 25.1265

Columns 801 through 808:

25.1579 25.1893 25.2208 25.2522 25.2837 25.3151 25.3466 25.3780

Columns 809 through 816:

25.4095 25.4409 25.4724 25.5038 25.5353 25.5667 25.5982 25.6296

Columns 817 through 824:

25.6611 25.6925 25.7240 25.7554 25.7868 25.8183 25.8497 25.8812

Columns 825 through 832:

25.9126 25.9441 25.9755 26.0070 26.0384 26.0699 26.1013 26.1328

Columns 833 through 840:

26.1642 26.1957 26.2271 26.2586 26.2900 26.3215 26.3529 26.3843

Columns 841 through 848:

26.4158 26.4472 26.4787 26.5101 26.5416 26.5730 26.6045 26.6359

Columns 849 through 856:

26.6674 26.6988 26.7303 26.7617 26.7932 26.8246 26.8561 26.8875

Columns 857 through 864:

26.9190 26.9504 26.9818 27.0133 27.0447 27.0762 27.1076 27.1391

Columns 865 through 872:

27.1705 27.2020 27.2334 27.2649 27.2963 27.3278 27.3592 27.3907

Columns 873 through 880:

27.4221 27.4536 27.4850 27.5165 27.5479 27.5793 27.6108 27.6422

Columns 881 through 888:

27.6737 27.7051 27.7366 27.7680 27.7995 27.8309 27.8624 27.8938

Columns 889 through 896:

27.9253 27.9567 27.9882 28.0196 28.0511 28.0825 28.1140 28.1454

Columns 897 through 904:

28.1768 28.2083 28.2397 28.2712 28.3026 28.3341 28.3655 28.3970

Columns 905 through 912:

28.4284 28.4599 28.4913 28.5228 28.5542 28.5857 28.6171 28.6486

Columns 913 through 920:

28.6800 28.7115 28.7429 28.7743 28.8058 28.8372 28.8687 28.9001

Columns 921 through 928:

28.9316 28.9630 28.9945 29.0259 29.0574 29.0888 29.1203 29.1517

Columns 929 through 936:

29.1832 29.2146 29.2461 29.2775 29.3090 29.3404 29.3718 29.4033

Columns 937 through 944:

29.4347 29.4662 29.4976 29.5291 29.5605 29.5920 29.6234 29.6549

Columns 945 through 952:

29.6863 29.7178 29.7492 29.7807 29.8121 29.8436 29.8750 29.9065

Columns 953 through 960:

29.9379 29.9693 30.0008 30.0322 30.0637 30.0951 30.1266 30.1580

Columns 961 through 968:

30.1895 30.2209 30.2524 30.2838 30.3153 30.3467 30.3782 30.4096

Columns 969 through 976:

30.4411 30.4725 30.5040 30.5354 30.5668 30.5983 30.6297 30.6612

Columns 977 through 984:

30.6926 30.7241 30.7555 30.7870 30.8184 30.8499 30.8813 30.9128

Columns 985 through 992:

30.9442 30.9757 31.0071 31.0386 31.0700 31.1015 31.1329 31.1643

Columns 993 through 1000:

31.1958 31.2272 31.2587 31.2901 31.3216 31.3530 31.3845 31.4159

**octave:34>** R= 3.8, r = 1

R = 3.8000

r = 1

**octave:35>** x = (R + r) \* cos(t) − r \* cos((R/r + 1) \* t)

*error: parse error:*

*syntax error*

*>>> x = (R + r) \* cos(t) − r \* cos((R/r + 1) \* t)*

*^*

**octave:35>** R = 3.8

R = 3.8000

**octave:36>** r = 1

r = 1

**octave:37>** x = (R + r) \* cos(t) − r \* cos((R/r + 1) \* t)

*error: parse error:*

*syntax error*

*>>> x = (R + r) \* cos(t) − r \* cos((R/r + 1) \* t)*

*^*

**octave:37>** x = (R+r)\*cos(t)−r\*cos((R/r+1)\*t)

*error: parse error:*

*syntax error*

*>>> x = (R+r)\*cos(t)−r\*cos((R/r+1)\*t)*

*^*

**octave:37>** x = (R+r)\*cos(t)-r\*cos((R/r+1)\*t)

x =

Columns 1 through 7:

3.800000 3.808998 3.835735 3.879448 3.938885 4.012334 4.097662

Columns 8 through 14:

4.192362 4.293615 4.398351 4.503321 4.605170 4.700519 4.786036

Columns 15 through 21:

4.858520 4.914970 4.952656 4.969182 4.962546 4.931181 4.873995

Columns 22 through 28:

4.790400 4.680324 4.544215 4.383034 4.198236 3.991737 3.765872

Columns 29 through 35:

3.523348 3.267182 3.000636 2.727142 2.450234 2.173463 1.900321

Columns 36 through 42:

1.634166 1.378148 1.135138 0.907671 0.697882 0.507471 0.337660

Columns 43 through 49:

0.189171 0.062214 -0.043519 -0.128838 -0.195040 -0.243869 -0.277480

Columns 50 through 56:

-0.298381 -0.309378 -0.313503 -0.313945 -0.313974 -0.316863 -0.325808

Columns 57 through 63:

-0.343856 -0.373829 -0.418262 -0.479333 -0.558820 -0.658052 -0.777876

Columns 64 through 70:

-0.918636 -1.080163 -1.261772 -1.462280 -1.680024 -1.912902 -2.158414

Columns 71 through 77:

-2.413716 -2.675684 -2.940984 -3.206138 -3.467608 -3.721872 -3.965500

Columns 78 through 84:

-4.195231 -4.408043 -4.601224 -4.772427 -4.919724 -5.041645 -5.137213

Columns 85 through 91:

-5.205964 -5.247954 -5.263755 -5.254446 -5.221580 -5.167155 -5.093558

Columns 92 through 98:

-5.003520 -4.900044 -4.786340 -4.665752 -4.541679 -4.417496 -4.296482

Columns 99 through 105:

-4.181738 -4.076122 -3.982179 -3.902089 -3.837610 -3.790043 -3.760202

Columns 106 through 112:

-3.748395 -3.754417 -3.777556 -3.816608 -3.869910 -3.935370 -4.010525

Columns 113 through 119:

-4.092590 -4.178528 -4.265118 -4.349027 -4.426894 -4.495400 -4.551350

Columns 120 through 126:

-4.591745 -4.613855 -4.615278 -4.594000 -4.548443 -4.477500 -4.380566

Columns 127 through 133:

-4.257552 -4.108887 -3.935515 -3.738875 -3.520866 -3.283814 -3.030415

Columns 134 through 140:

-2.763681 -2.486870 -2.203419 -1.916866 -1.630773 -1.348648 -1.073868

Columns 141 through 147:

-0.809606 -0.558759 -0.323892 -0.107174 0.089663 0.265360 0.419159

Columns 148 through 154:

0.550814 0.660597 0.749286 0.818144 0.868888 0.903648 0.924911

Columns 155 through 161:

0.935466 0.938335 0.936701 0.933833 0.933008 0.937433 0.950172

Columns 162 through 168:

0.974067 1.011675 1.065208 1.136475 1.226841 1.337191 1.467910

Columns 169 through 175:

1.618868 1.789423 1.978432 2.184271 2.404875 2.637778 2.880168

Columns 176 through 182:

3.128951 3.380812 3.632297 3.879882 4.120055 4.349393 4.564637

Columns 183 through 189:

4.762765 4.941057 5.097158 5.229129 5.335488 5.415244 5.467916

Columns 190 through 196:

5.493545 5.492690 5.466417 5.416268 5.344233 5.252696 5.144385

Columns 197 through 203:

5.022308 4.889685 4.749871 4.606283 4.462321 4.321290 4.186325

Columns 204 through 210:

4.060320 3.945862 3.845173 3.760058 3.691869 3.641470 3.609218

Columns 211 through 217:

3.594962 3.598038 3.617292 3.651106 3.697435 3.753852 3.817611

Columns 218 through 224:

3.885706 3.954942 4.022009 4.083562 4.136293 4.177013 4.202727

Columns 225 through 231:

4.210699 4.198522 4.164170 4.106051 4.023042 3.914520 3.780375

Columns 232 through 238:

3.621017 3.437372 3.230857 3.003359 2.757185 2.495023 2.219874

Columns 239 through 245:

1.934994 1.643818 1.349888 1.056775 0.767999 0.486953 0.216831

Columns 246 through 252:

-0.039444 -0.279283 -0.500486 -0.701288 -0.880398 -1.037025 -1.170888

Columns 253 through 259:

-1.282226 -1.371786 -1.440801 -1.490964 -1.524381 -1.543520 -1.551157

Columns 260 through 266:

-1.550304 -1.544140 -1.535937 -1.528978 -1.526483 -1.531533 -1.546992

Columns 267 through 273:

-1.575447 -1.619139 -1.679913 -1.759172 -1.857842 -1.976349 -2.114608

Columns 274 through 280:

-2.272018 -2.447479 -2.639410 -2.845783 -3.064171 -3.291794 -3.525587

Columns 281 through 287:

-3.762264 -3.998390 -4.230460 -4.454973 -4.668516 -4.867833 -5.049901

Columns 288 through 294:

-5.211998 -5.351761 -5.467242 -5.556947 -5.619870 -5.655518 -5.663916

Columns 295 through 301:

-5.645613 -5.601659 -5.533589 -5.443383 -5.333422 -5.206435 -5.065433

Columns 302 through 308:

-4.913644 -4.754436 -4.591245 -4.427493 -4.266513 -4.111472 -3.965301

Columns 309 through 315:

-3.830626 -3.709714 -3.604416 -3.516132 -3.445776 -3.393757 -3.359971

Columns 316 through 322:

-3.343807 -3.344158 -3.359452 -3.387684 -3.426471 -3.473100 -3.524595

Columns 323 through 329:

-3.577787 -3.629389 -3.676069 -3.714530 -3.741590 -3.754252 -3.749776

Columns 330 through 336:

-3.725747 -3.680126 -3.611306 -3.518145 -3.400000 -3.256740 -3.088753

Columns 337 through 343:

-2.896943 -2.682708 -2.447913 -2.194852 -1.926195 -1.644935 -1.354321

Columns 344 through 350:

-1.057784 -0.758867 -0.461148 -0.168155 0.116703 0.390216 0.649439

Columns 351 through 357:

0.891758 1.114946 1.317210 1.497227 1.654175 1.787742 1.898137

Columns 358 through 364:

1.986077 2.052769 2.099882 2.129500 2.144077 2.146376 2.139403

Columns 365 through 371:

2.126335 2.110446 2.095029 2.083320 2.078417 2.083211 2.100317

Columns 372 through 378:

2.132010 2.180171 2.246244 2.331198 2.435503 2.559118 2.701488

Columns 379 through 385:

2.861558 3.037788 3.228193 3.430384 3.641618 3.858860 4.078852

Columns 386 through 392:

4.298184 4.513367 4.720918 4.917431 5.099656 5.264572 5.409455

Columns 393 through 399:

5.531935 5.630056 5.702311 5.747686 5.765670 5.756279 5.720045

Columns 400 through 406:

5.658009 5.571695 5.463076 5.334530 5.188784 5.028854 4.857974

Columns 407 through 413:

4.679528 4.496967 4.313737 4.133197 3.958546 3.792750 3.638476

Columns 414 through 420:

3.498032 3.373317 3.265777 3.176374 3.105567 3.053304 3.019019

Columns 421 through 427:

3.001655 2.999683 3.011141 3.033683 3.064631 3.101038 3.139760

Columns 428 through 434:

3.177529 3.211028 3.236969 3.252173 3.253642 3.238631 3.204713

Columns 435 through 441:

3.149836 3.072374 2.971167 2.845548 2.695364 2.520978 2.323270

Columns 442 through 448:

2.103616 1.863858 1.606272 1.333511 1.048556 0.754643 0.455201

Columns 449 through 455:

0.153771 -0.146069 -0.440781 -0.726946 -1.001338 -1.260996 -1.503281

Columns 456 through 462:

-1.725944 -1.927163 -2.105589 -2.260369 -2.391165 -2.498157 -2.582034

Columns 463 through 469:

-2.643981 -2.685642 -2.709086 -2.716752 -2.711392 -2.696007 -2.673775

Columns 470 through 476:

-2.647977 -2.621915 -2.598841 -2.581876 -2.573937 -2.577670 -2.595385

Columns 477 through 483:

-2.629003 -2.680009 -2.749416 -2.837740 -2.944987 -3.070649 -3.213716

Columns 484 through 490:

-3.372695 -3.545643 -3.730211 -3.923693 -4.123088 -4.325168 -4.526545

Columns 491 through 497:

-4.723754 -4.913326 -5.091866 -5.256131 -5.403102 -5.530054 -5.634612

Columns 498 through 504:

-5.714811 -5.769137 -5.796560 -5.796560 -5.769137 -5.714811 -5.634612

Columns 505 through 511:

-5.530054 -5.403102 -5.256131 -5.091866 -4.913326 -4.723754 -4.526545

Columns 512 through 518:

-4.325168 -4.123088 -3.923693 -3.730211 -3.545643 -3.372695 -3.213716

Columns 519 through 525:

-3.070649 -2.944987 -2.837740 -2.749416 -2.680009 -2.629003 -2.595385

Columns 526 through 532:

-2.577670 -2.573937 -2.581876 -2.598841 -2.621915 -2.647977 -2.673775

Columns 533 through 539:

-2.696007 -2.711392 -2.716752 -2.709086 -2.685642 -2.643981 -2.582034

Columns 540 through 546:

-2.498157 -2.391165 -2.260369 -2.105589 -1.927163 -1.725944 -1.503281

Columns 547 through 553:

-1.260996 -1.001338 -0.726946 -0.440781 -0.146069 0.153771 0.455201

Columns 554 through 560:

0.754643 1.048556 1.333511 1.606272 1.863858 2.103616 2.323270

Columns 561 through 567:

2.520978 2.695364 2.845548 2.971167 3.072374 3.149836 3.204713

Columns 568 through 574:

3.238631 3.253642 3.252173 3.236969 3.211028 3.177529 3.139760

Columns 575 through 581:

3.101038 3.064631 3.033683 3.011141 2.999683 3.001655 3.019019

Columns 582 through 588:

3.053304 3.105567 3.176374 3.265777 3.373317 3.498032 3.638476

Columns 589 through 595:

3.792750 3.958546 4.133197 4.313737 4.496967 4.679528 4.857974

Columns 596 through 602:

5.028854 5.188784 5.334530 5.463076 5.571695 5.658009 5.720045

Columns 603 through 609:

5.756279 5.765670 5.747686 5.702311 5.630056 5.531935 5.409455

Columns 610 through 616:

5.264572 5.099656 4.917431 4.720918 4.513367 4.298184 4.078852

Columns 617 through 623:

3.858860 3.641618 3.430384 3.228193 3.037788 2.861558 2.701488

Columns 624 through 630:

2.559118 2.435503 2.331198 2.246244 2.180171 2.132010 2.100317

Columns 631 through 637:

2.083211 2.078417 2.083320 2.095029 2.110446 2.126335 2.139403

Columns 638 through 644:

2.146376 2.144077 2.129500 2.099882 2.052769 1.986077 1.898137

Columns 645 through 651:

1.787742 1.654175 1.497227 1.317210 1.114946 0.891758 0.649439

Columns 652 through 658:

0.390216 0.116703 -0.168155 -0.461148 -0.758867 -1.057784 -1.354321

Columns 659 through 665:

-1.644935 -1.926195 -2.194852 -2.447913 -2.682708 -2.896943 -3.088753

Columns 666 through 672:

-3.256740 -3.400000 -3.518145 -3.611306 -3.680126 -3.725747 -3.749776

Columns 673 through 679:

-3.754252 -3.741590 -3.714530 -3.676069 -3.629389 -3.577787 -3.524595

Columns 680 through 686:

-3.473100 -3.426471 -3.387684 -3.359452 -3.344158 -3.343807 -3.359971

Columns 687 through 693:

-3.393757 -3.445776 -3.516132 -3.604416 -3.709714 -3.830626 -3.965301

Columns 694 through 700:

-4.111472 -4.266513 -4.427493 -4.591245 -4.754436 -4.913644 -5.065433

Columns 701 through 707:

-5.206435 -5.333422 -5.443383 -5.533589 -5.601659 -5.645613 -5.663916

Columns 708 through 714:

-5.655518 -5.619870 -5.556947 -5.467242 -5.351761 -5.211998 -5.049901

Columns 715 through 721:

-4.867833 -4.668516 -4.454973 -4.230460 -3.998390 -3.762264 -3.525587

Columns 722 through 728:

-3.291794 -3.064171 -2.845783 -2.639410 -2.447479 -2.272018 -2.114608

Columns 729 through 735:

-1.976349 -1.857842 -1.759172 -1.679913 -1.619139 -1.575447 -1.546992

Columns 736 through 742:

-1.531533 -1.526483 -1.528978 -1.535937 -1.544140 -1.550304 -1.551157

Columns 743 through 749:

-1.543520 -1.524381 -1.490964 -1.440801 -1.371786 -1.282226 -1.170888

Columns 750 through 756:

-1.037025 -0.880398 -0.701288 -0.500486 -0.279283 -0.039444 0.216831

Columns 757 through 763:

0.486953 0.767999 1.056775 1.349888 1.643818 1.934994 2.219874

Columns 764 through 770:

2.495023 2.757185 3.003359 3.230857 3.437372 3.621017 3.780375

Columns 771 through 777:

3.914520 4.023042 4.106051 4.164170 4.198522 4.210699 4.202727

Columns 778 through 784:

4.177013 4.136293 4.083562 4.022009 3.954942 3.885706 3.817611

Columns 785 through 791:

3.753852 3.697435 3.651106 3.617292 3.598038 3.594962 3.609218

Columns 792 through 798:

3.641470 3.691869 3.760058 3.845173 3.945862 4.060320 4.186325

Columns 799 through 805:

4.321290 4.462321 4.606283 4.749871 4.889685 5.022308 5.144385

Columns 806 through 812:

5.252696 5.344233 5.416268 5.466417 5.492690 5.493545 5.467916

Columns 813 through 819:

5.415244 5.335488 5.229129 5.097158 4.941057 4.762765 4.564637

Columns 820 through 826:

4.349393 4.120055 3.879882 3.632297 3.380812 3.128951 2.880168

Columns 827 through 833:

2.637778 2.404875 2.184271 1.978432 1.789423 1.618868 1.467910

Columns 834 through 840:

1.337191 1.226841 1.136475 1.065208 1.011675 0.974067 0.950172

Columns 841 through 847:

0.937433 0.933008 0.933833 0.936701 0.938335 0.935466 0.924911

Columns 848 through 854:

0.903648 0.868888 0.818144 0.749286 0.660597 0.550814 0.419159

Columns 855 through 861:

0.265360 0.089663 -0.107174 -0.323892 -0.558759 -0.809606 -1.073868

Columns 862 through 868:

-1.348648 -1.630773 -1.916866 -2.203419 -2.486870 -2.763681 -3.030415

Columns 869 through 875:

-3.283814 -3.520866 -3.738875 -3.935515 -4.108887 -4.257552 -4.380566

Columns 876 through 882:

-4.477500 -4.548443 -4.594000 -4.615278 -4.613855 -4.591745 -4.551350

Columns 883 through 889:

-4.495400 -4.426894 -4.349027 -4.265118 -4.178528 -4.092590 -4.010525

Columns 890 through 896:

-3.935370 -3.869910 -3.816608 -3.777556 -3.754417 -3.748395 -3.760202

Columns 897 through 903:

-3.790043 -3.837610 -3.902089 -3.982179 -4.076122 -4.181738 -4.296482

Columns 904 through 910:

-4.417496 -4.541679 -4.665752 -4.786340 -4.900044 -5.003520 -5.093558

Columns 911 through 917:

-5.167155 -5.221580 -5.254446 -5.263755 -5.247954 -5.205964 -5.137213

Columns 918 through 924:

-5.041645 -4.919724 -4.772427 -4.601224 -4.408043 -4.195231 -3.965500

Columns 925 through 931:

-3.721872 -3.467608 -3.206138 -2.940984 -2.675684 -2.413716 -2.158414

Columns 932 through 938:

-1.912902 -1.680024 -1.462280 -1.261772 -1.080163 -0.918636 -0.777876

Columns 939 through 945:

-0.658052 -0.558820 -0.479333 -0.418262 -0.373829 -0.343856 -0.325808

Columns 946 through 952:

-0.316863 -0.313974 -0.313945 -0.313503 -0.309378 -0.298381 -0.277480

Columns 953 through 959:

-0.243869 -0.195040 -0.128838 -0.043519 0.062214 0.189171 0.337660

Columns 960 through 966:

0.507471 0.697882 0.907671 1.135138 1.378148 1.634166 1.900321

Columns 967 through 973:

2.173463 2.450234 2.727142 3.000636 3.267182 3.523348 3.765872

Columns 974 through 980:

3.991737 4.198236 4.383034 4.544215 4.680324 4.790400 4.873995

Columns 981 through 987:

4.931181 4.962546 4.969182 4.952656 4.914970 4.858520 4.786036

Columns 988 through 994:

4.700519 4.605170 4.503321 4.398351 4.293615 4.192362 4.097662

Columns 995 through 1000:

4.012334 3.938885 3.879448 3.835735 3.808998 3.800000

**octave:38>** y = (R+r)\*sin(t)-r\*sin((R/r+1)\*t)

y =

Columns 1 through 8:

0 0.0005 0.0044 0.0146 0.0344 0.0665 0.1135 0.1774

Columns 9 through 16:

0.2601 0.3629 0.4866 0.6315 0.7975 0.9838 1.1892 1.4121

Columns 17 through 24:

1.6503 1.9014 2.1624 2.4302 2.7015 2.9728 3.2405 3.5011

Columns 25 through 32:

3.7513 3.9876 4.2072 4.4072 4.5854 4.7399 4.8691 4.9721

Columns 33 through 40:

5.0484 5.0982 5.1219 5.1207 5.0962 5.0502 4.9853 4.9042

Columns 41 through 48:

4.8098 4.7053 4.5942 4.4797 4.3653 4.2543 4.1496 4.0541

Columns 49 through 56:

3.9705 3.9007 3.8466 3.8095 3.7900 3.7886 3.8050 3.8383

Columns 57 through 64:

3.8875 3.9508 4.0262 4.1110 4.2026 4.2978 4.3935 4.4862

Columns 65 through 72:

4.5727 4.6496 4.7137 4.7619 4.7917 4.8005 4.7863 4.7477

Columns 73 through 80:

4.6834 4.5930 4.4762 4.3336 4.1661 3.9751 3.7626 3.5309

Columns 81 through 88:

3.2827 3.0210 2.7491 2.4703 2.1883 1.9066 1.6287 1.3579

Columns 89 through 96:

1.0975 0.8503 0.6188 0.4053 0.2113 0.0383 -0.1132 -0.2428

Columns 97 through 104:

-0.3508 -0.4382 -0.5060 -0.5561 -0.5906 -0.6120 -0.6231 -0.6269

Columns 105 through 112:

-0.6266 -0.6255 -0.6268 -0.6338 -0.6495 -0.6768 -0.7181 -0.7757

Columns 113 through 120:

-0.8513 -0.9464 -1.0618 -1.1978 -1.3543 -1.5307 -1.7257 -1.9378

Columns 121 through 128:

-2.1648 -2.4042 -2.6533 -2.9089 -3.1678 -3.4263 -3.6810 -3.9285

Columns 129 through 136:

-4.1652 -4.3878 -4.5935 -4.7794 -4.9432 -5.0830 -5.1973 -5.2851

Columns 137 through 144:

-5.3460 -5.3799 -5.3875 -5.3698 -5.3284 -5.2653 -5.1828 -5.0837

Columns 145 through 152:

-4.9710 -4.8479 -4.7177 -4.5839 -4.4499 -4.3188 -4.1940 -4.0782

Columns 153 through 160:

-3.9740 -3.8835 -3.8087 -3.7508 -3.7106 -3.6885 -3.6843 -3.6973

Columns 161 through 168:

-3.7264 -3.7699 -3.8256 -3.8913 -3.9641 -4.0410 -4.1187 -4.1941

Columns 169 through 176:

-4.2636 -4.3241 -4.3722 -4.4051 -4.4199 -4.4144 -4.3863 -4.3343

Columns 177 through 184:

-4.2571 -4.1541 -4.0253 -3.8710 -3.6923 -3.4904 -3.2674 -3.0255

Columns 185 through 192:

-2.7675 -2.4963 -2.2151 -1.9275 -1.6370 -1.3471 -1.0613 -0.7831

Columns 193 through 200:

-0.5156 -0.2618 -0.0241 0.1952 0.3943 0.5720 0.7275 0.8606

Columns 201 through 208:

0.9715 1.0609 1.1302 1.1809 1.2153 1.2358 1.2452 1.2466

Columns 209 through 216:

1.2430 1.2377 1.2341 1.2354 1.2446 1.2645 1.2979 1.3468

Columns 217 through 224:

1.4130 1.4981 1.6029 1.7278 1.8726 2.0369 2.2194 2.4185

Columns 225 through 232:

2.6322 2.8581 3.0933 3.3348 3.5793 3.8233 4.0633 4.2958

Columns 233 through 240:

4.5174 4.7249 4.9151 5.0855 5.2335 5.3574 5.4555 5.5270

Columns 241 through 248:

5.5712 5.5883 5.5788 5.5438 5.4847 5.4037 5.3030 5.1853

Columns 249 through 256:

5.0538 4.9116 4.7621 4.6087 4.4548 4.3038 4.1588 4.0226

Columns 257 through 264:

3.8980 3.7871 3.6919 3.6135 3.5531 3.5108 3.4867 3.4800

Columns 265 through 272:

3.4897 3.5141 3.5512 3.5987 3.6537 3.7133 3.7744 3.8335

Columns 273 through 280:

3.8874 3.9328 3.9665 3.9855 3.9870 3.9687 3.9284 3.8647

Columns 281 through 288:

3.7764 3.6628 3.5238 3.3599 3.1719 2.9612 2.7298 2.4799

Columns 289 through 296:

2.2142 1.9357 1.6477 1.3535 1.0568 0.7610 0.4699 0.1866

Columns 297 through 304:

-0.0855 -0.3436 -0.5850 -0.8075 -1.0094 -1.1892 -1.3463 -1.4804

Columns 305 through 312:

-1.5915 -1.6806 -1.7488 -1.7977 -1.8295 -1.8467 -1.8519 -1.8483

Columns 313 through 320:

-1.8390 -1.8272 -1.8163 -1.8095 -1.8099 -1.8203 -1.8433 -1.8813

Columns 321 through 328:

-1.9360 -2.0089 -2.1009 -2.2126 -2.3438 -2.4939 -2.6618 -2.8461

Columns 329 through 336:

-3.0447 -3.2552 -3.4748 -3.7005 -3.9290 -4.1569 -4.3807 -4.5969

Columns 337 through 344:

-4.8020 -4.9929 -5.1666 -5.3202 -5.4514 -5.5583 -5.6393 -5.6935

Columns 345 through 352:

-5.7204 -5.7200 -5.6927 -5.6398 -5.5626 -5.4632 -5.3440 -5.2076

Columns 353 through 360:

-5.0571 -4.8957 -4.7269 -4.5539 -4.3804 -4.2096 -4.0446 -3.8886

Columns 361 through 368:

-3.7440 -3.6132 -3.4981 -3.4000 -3.3200 -3.2585 -3.2153 -3.1899

Columns 369 through 376:

-3.1813 -3.1877 -3.2074 -3.2379 -3.2765 -3.3202 -3.3660 -3.4104

Columns 377 through 384:

-3.4503 -3.4823 -3.5032 -3.5100 -3.5000 -3.4707 -3.4202 -3.3468

Columns 385 through 392:

-3.2494 -3.1272 -2.9802 -2.8087 -2.6137 -2.3964 -2.1589 -1.9032

Columns 393 through 400:

-1.6322 -1.3488 -1.0562 -0.7579 -0.4574 -0.1584 0.1358 0.4216

Columns 401 through 408:

0.6959 0.9557 1.1983 1.4215 1.6236 1.8031 1.9593 2.0918

Columns 409 through 416:

2.2008 2.2870 2.3516 2.3963 2.4231 2.4345 2.4333 2.4223

Columns 417 through 424:

2.4050 2.3844 2.3639 2.3468 2.3361 2.3348 2.3454 2.3704

Columns 425 through 432:

2.4115 2.4703 2.5477 2.6442 2.7598 2.8940 3.0458 3.2136

Columns 433 through 440:

3.3954 3.5889 3.7915 3.9999 4.2111 4.4216 4.6279 4.8266

Columns 441 through 448:

5.0142 5.1875 5.3435 5.4795 5.5931 5.6823 5.7456 5.7821

Columns 449 through 456:

5.7911 5.7727 5.7274 5.6563 5.5608 5.4430 5.3052 5.1502

Columns 457 through 464:

4.9809 4.8006 4.6127 4.4206 4.2278 4.0378 3.8536 3.6783

Columns 465 through 472:

3.5145 3.3647 3.2306 3.1139 3.0154 2.9356 2.8746 2.8318

Columns 473 through 480:

2.8061 2.7960 2.7997 2.8147 2.8384 2.8680 2.9001 2.9316

Columns 481 through 488:

2.9593 2.9797 2.9897 2.9863 2.9668 2.9287 2.8701 2.7891

Columns 489 through 496:

2.6847 2.5562 2.4034 2.2267 2.0269 1.8055 1.5642 1.3052

Columns 497 through 504:

1.0313 0.7455 0.4508 0.1509 -0.1509 -0.4508 -0.7455 -1.0313

Columns 505 through 512:

-1.3052 -1.5642 -1.8055 -2.0269 -2.2267 -2.4034 -2.5562 -2.6847

Columns 513 through 520:

-2.7891 -2.8701 -2.9287 -2.9668 -2.9863 -2.9897 -2.9797 -2.9593

Columns 521 through 528:

-2.9316 -2.9001 -2.8680 -2.8384 -2.8147 -2.7997 -2.7960 -2.8061

Columns 529 through 536:

-2.8318 -2.8746 -2.9356 -3.0154 -3.1139 -3.2306 -3.3647 -3.5145

Columns 537 through 544:

-3.6783 -3.8536 -4.0378 -4.2278 -4.4206 -4.6127 -4.8006 -4.9809

Columns 545 through 552:

-5.1502 -5.3052 -5.4430 -5.5608 -5.6563 -5.7274 -5.7727 -5.7911

Columns 553 through 560:

-5.7821 -5.7456 -5.6823 -5.5931 -5.4795 -5.3435 -5.1875 -5.0142

Columns 561 through 568:

-4.8266 -4.6279 -4.4216 -4.2111 -3.9999 -3.7915 -3.5889 -3.3954

Columns 569 through 576:

-3.2136 -3.0458 -2.8940 -2.7598 -2.6442 -2.5477 -2.4703 -2.4115

Columns 577 through 584:

-2.3704 -2.3454 -2.3348 -2.3361 -2.3468 -2.3639 -2.3844 -2.4050

Columns 585 through 592:

-2.4223 -2.4333 -2.4345 -2.4231 -2.3963 -2.3516 -2.2870 -2.2008

Columns 593 through 600:

-2.0918 -1.9593 -1.8031 -1.6236 -1.4215 -1.1983 -0.9557 -0.6959

Columns 601 through 608:

-0.4216 -0.1358 0.1584 0.4574 0.7579 1.0562 1.3488 1.6322

Columns 609 through 616:

1.9032 2.1589 2.3964 2.6137 2.8087 2.9802 3.1272 3.2494

Columns 617 through 624:

3.3468 3.4202 3.4707 3.5000 3.5100 3.5032 3.4823 3.4503

Columns 625 through 632:

3.4104 3.3660 3.3202 3.2765 3.2379 3.2074 3.1877 3.1813

Columns 633 through 640:

3.1899 3.2153 3.2585 3.3200 3.4000 3.4981 3.6132 3.7440

Columns 641 through 648:

3.8886 4.0446 4.2096 4.3804 4.5539 4.7269 4.8957 5.0571

Columns 649 through 656:

5.2076 5.3440 5.4632 5.5626 5.6398 5.6927 5.7200 5.7204

Columns 657 through 664:

5.6935 5.6393 5.5583 5.4514 5.3202 5.1666 4.9929 4.8020

Columns 665 through 672:

4.5969 4.3807 4.1569 3.9290 3.7005 3.4748 3.2552 3.0447

Columns 673 through 680:

2.8461 2.6618 2.4939 2.3438 2.2126 2.1009 2.0089 1.9360

Columns 681 through 688:

1.8813 1.8433 1.8203 1.8099 1.8095 1.8163 1.8272 1.8390

Columns 689 through 696:

1.8483 1.8519 1.8467 1.8295 1.7977 1.7488 1.6806 1.5915

Columns 697 through 704:

1.4804 1.3463 1.1892 1.0094 0.8075 0.5850 0.3436 0.0855

Columns 705 through 712:

-0.1866 -0.4699 -0.7610 -1.0568 -1.3535 -1.6477 -1.9357 -2.2142

Columns 713 through 720:

-2.4799 -2.7298 -2.9612 -3.1719 -3.3599 -3.5238 -3.6628 -3.7764

Columns 721 through 728:

-3.8647 -3.9284 -3.9687 -3.9870 -3.9855 -3.9665 -3.9328 -3.8874

Columns 729 through 736:

-3.8335 -3.7744 -3.7133 -3.6537 -3.5987 -3.5512 -3.5141 -3.4897

Columns 737 through 744:

-3.4800 -3.4867 -3.5108 -3.5531 -3.6135 -3.6919 -3.7871 -3.8980

Columns 745 through 752:

-4.0226 -4.1588 -4.3038 -4.4548 -4.6087 -4.7621 -4.9116 -5.0538

Columns 753 through 760:

-5.1853 -5.3030 -5.4037 -5.4847 -5.5438 -5.5788 -5.5883 -5.5712

Columns 761 through 768:

-5.5270 -5.4555 -5.3574 -5.2335 -5.0855 -4.9151 -4.7249 -4.5174

Columns 769 through 776:

-4.2958 -4.0633 -3.8233 -3.5793 -3.3348 -3.0933 -2.8581 -2.6322

Columns 777 through 784:

-2.4185 -2.2194 -2.0369 -1.8726 -1.7278 -1.6029 -1.4981 -1.4130

Columns 785 through 792:

-1.3468 -1.2979 -1.2645 -1.2446 -1.2354 -1.2341 -1.2377 -1.2430

Columns 793 through 800:

-1.2466 -1.2452 -1.2358 -1.2153 -1.1809 -1.1302 -1.0609 -0.9715

Columns 801 through 808:

-0.8606 -0.7275 -0.5720 -0.3943 -0.1952 0.0241 0.2618 0.5156

Columns 809 through 816:

0.7831 1.0613 1.3471 1.6370 1.9275 2.2151 2.4963 2.7675

Columns 817 through 824:

3.0255 3.2674 3.4904 3.6923 3.8710 4.0253 4.1541 4.2571

Columns 825 through 832:

4.3343 4.3863 4.4144 4.4199 4.4051 4.3722 4.3241 4.2636

Columns 833 through 840:

4.1941 4.1187 4.0410 3.9641 3.8913 3.8256 3.7699 3.7264

Columns 841 through 848:

3.6973 3.6843 3.6885 3.7106 3.7508 3.8087 3.8835 3.9740

Columns 849 through 856:

4.0782 4.1940 4.3188 4.4499 4.5839 4.7177 4.8479 4.9710

Columns 857 through 864:

5.0837 5.1828 5.2653 5.3284 5.3698 5.3875 5.3799 5.3460

Columns 865 through 872:

5.2851 5.1973 5.0830 4.9432 4.7794 4.5935 4.3878 4.1652

Columns 873 through 880:

3.9285 3.6810 3.4263 3.1678 2.9089 2.6533 2.4042 2.1648

Columns 881 through 888:

1.9378 1.7257 1.5307 1.3543 1.1978 1.0618 0.9464 0.8513

Columns 889 through 896:

0.7757 0.7181 0.6768 0.6495 0.6338 0.6268 0.6255 0.6266

Columns 897 through 904:

0.6269 0.6231 0.6120 0.5906 0.5561 0.5060 0.4382 0.3508

Columns 905 through 912:

0.2428 0.1132 -0.0383 -0.2113 -0.4053 -0.6188 -0.8503 -1.0975

Columns 913 through 920:

-1.3579 -1.6287 -1.9066 -2.1883 -2.4703 -2.7491 -3.0210 -3.2827

Columns 921 through 928:

-3.5309 -3.7626 -3.9751 -4.1661 -4.3336 -4.4762 -4.5930 -4.6834

Columns 929 through 936:

-4.7477 -4.7863 -4.8005 -4.7917 -4.7619 -4.7137 -4.6496 -4.5727

Columns 937 through 944:

-4.4862 -4.3935 -4.2978 -4.2026 -4.1110 -4.0262 -3.9508 -3.8875

Columns 945 through 952:

-3.8383 -3.8050 -3.7886 -3.7900 -3.8095 -3.8466 -3.9007 -3.9705

Columns 953 through 960:

-4.0541 -4.1496 -4.2543 -4.3653 -4.4797 -4.5942 -4.7053 -4.8098

Columns 961 through 968:

-4.9042 -4.9853 -5.0502 -5.0962 -5.1207 -5.1219 -5.0982 -5.0484

Columns 969 through 976:

-4.9721 -4.8691 -4.7399 -4.5854 -4.4072 -4.2072 -3.9876 -3.7513

Columns 977 through 984:

-3.5011 -3.2405 -2.9728 -2.7015 -2.4302 -2.1624 -1.9014 -1.6503

Columns 985 through 992:

-1.4121 -1.1892 -0.9838 -0.7975 -0.6315 -0.4866 -0.3629 -0.2601

Columns 993 through 1000:

-0.1774 -0.1135 -0.0665 -0.0344 -0.0146 -0.0044 -0.0005 -0.0000

**octave:39>** plot(x,y)

-6-4-20246-6-4-20246

**octave:40>** clf

**octave:41>** [x,y] = meshgrid(linspace(-2,2),linspace(0.5,4.5))

f=sin(exp(x)).\*cos(log(y))

mesh(x,y,f)

plot3(x,y,f)