disp('Cedillo Ismael')

Cedillo Ismael

disp('NRC: 4140')

NRC: 4140

clock

ans =

1.0e+03 \*

2.0220 0.0050 0.0120 0.0120 0.0080 0.0017

date

ans =

'12-May-2022'

clc

graduado(1) = struct('Apellido1','Cedillo','Apellido2','Paz','Carrera','Ing. de Software','Año',2025)

{Error using <a href="matlab:matlab.internal.language.introspective.errorDocCallback('struct')" style="font-weight:bold">struct</a>

Invalid field name "Año".

}

graduado(1) = struct('Apellido1','Cedillo','Apellido2','Paz','Carrera','Ing. de Software','Anio',2025)

graduado =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Cedillo'

Apellido2: 'Paz'

Carrera: 'Ing. de Software'

Anio: 2025

graduado(1) = struct('Apellido1','Rosero','Apellido2','Mosquera','Carrera','Ing. de Software','Anio',2025)

graduado =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Rosero'

Apellido2: 'Mosquera'

Carrera: 'Ing. de Software'

Anio: 2025

graduado(1) = struct('Apellido1','Cedillo','Apellido2','Paz','Carrera','Ing. de Software','Anio',2025)

graduado =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Cedillo'

Apellido2: 'Paz'

Carrera: 'Ing. de Software'

Anio: 2025

graduado(2) = struct('Apellido1','Rosero','Apellido2','Mosquera','Carrera','Ing. de Software','Anio',2025)

graduado =

1×2 <a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> array with fields:

Apellido1

Apellido2

Carrera

Anio

graduado(3) = struct('Apellido1','Gordon','Apellido2','Moya','Carrera','Medicina','Anio',2025)

graduado =

1×3 <a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> array with fields:

Apellido1

Apellido2

Carrera

Anio

graduado

graduado =

1×3 <a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> array with fields:

Apellido1

Apellido2

Carrera

Anio

graduado(2)

ans =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Rosero'

Apellido2: 'Mosquera'

Carrera: 'Ing. de Software'

Anio: 2025

graduado(3)

ans =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Gordon'

Apellido2: 'Moya'

Carrera: 'Medicina'

Anio: 2025

isfield(graduado,'Anio')

ans =

<a href="matlab:helpPopup logical" style="font-weight:bold">logical</a>

1

isstruct(graduado)

ans =

<a href="matlab:helpPopup logical" style="font-weight:bold">logical</a>

1

graduado(1)

ans =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Cedillo'

Apellido2: 'Paz'

Carrera: 'Ing. de Software'

Anio: 2025

rmfield(graduado,'Apellido2')

ans =

1×3 <a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> array with fields:

Apellido1

Carrera

Anio

graduado(1)

ans =

<a href="matlab:helpPopup struct" style="font-weight:bold">struct</a> with fields:

Apellido1: 'Cedillo'

Apellido2: 'Paz'

Carrera: 'Ing. de Software'

Anio: 2025

clc

x = 1:360

x =

Columns 1 through 14

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Columns 15 through 28

15 16 17 18 19 20 21 22 23 24 25 26 27 28

Columns 29 through 42

29 30 31 32 33 34 35 36 37 38 39 40 41 42

Columns 43 through 56

43 44 45 46 47 48 49 50 51 52 53 54 55 56

Columns 57 through 70

57 58 59 60 61 62 63 64 65 66 67 68 69 70

Columns 71 through 84

71 72 73 74 75 76 77 78 79 80 81 82 83 84

Columns 85 through 98

85 86 87 88 89 90 91 92 93 94 95 96 97 98

Columns 99 through 112

99 100 101 102 103 104 105 106 107 108 109 110 111 112

Columns 113 through 126

113 114 115 116 117 118 119 120 121 122 123 124 125 126

Columns 127 through 140

127 128 129 130 131 132 133 134 135 136 137 138 139 140

Columns 141 through 154

141 142 143 144 145 146 147 148 149 150 151 152 153 154

Columns 155 through 168

155 156 157 158 159 160 161 162 163 164 165 166 167 168

Columns 169 through 182

169 170 171 172 173 174 175 176 177 178 179 180 181 182

Columns 183 through 196

183 184 185 186 187 188 189 190 191 192 193 194 195 196

Columns 197 through 210

197 198 199 200 201 202 203 204 205 206 207 208 209 210

Columns 211 through 224

211 212 213 214 215 216 217 218 219 220 221 222 223 224

Columns 225 through 238

225 226 227 228 229 230 231 232 233 234 235 236 237 238

Columns 239 through 252

239 240 241 242 243 244 245 246 247 248 249 250 251 252

Columns 253 through 266

253 254 255 256 257 258 259 260 261 262 263 264 265 266

Columns 267 through 280

267 268 269 270 271 272 273 274 275 276 277 278 279 280

Columns 281 through 294

281 282 283 284 285 286 287 288 289 290 291 292 293 294

Columns 295 through 308

295 296 297 298 299 300 301 302 303 304 305 306 307 308

Columns 309 through 322

309 310 311 312 313 314 315 316 317 318 319 320 321 322

Columns 323 through 336

323 324 325 326 327 328 329 330 331 332 333 334 335 336

Columns 337 through 350

337 338 339 340 341 342 343 344 345 346 347 348 349 350

Columns 351 through 360

351 352 353 354 355 356 357 358 359 360

y = sind(x)

y =

Columns 1 through 8

0.0175 0.0349 0.0523 0.0698 0.0872 0.1045 0.1219 0.1392

Columns 9 through 16

0.1564 0.1736 0.1908 0.2079 0.2250 0.2419 0.2588 0.2756

Columns 17 through 24

0.2924 0.3090 0.3256 0.3420 0.3584 0.3746 0.3907 0.4067

Columns 25 through 32

0.4226 0.4384 0.4540 0.4695 0.4848 0.5000 0.5150 0.5299

Columns 33 through 40

0.5446 0.5592 0.5736 0.5878 0.6018 0.6157 0.6293 0.6428

Columns 41 through 48

0.6561 0.6691 0.6820 0.6947 0.7071 0.7193 0.7314 0.7431

Columns 49 through 56

0.7547 0.7660 0.7771 0.7880 0.7986 0.8090 0.8192 0.8290

Columns 57 through 64

0.8387 0.8480 0.8572 0.8660 0.8746 0.8829 0.8910 0.8988

Columns 65 through 72

0.9063 0.9135 0.9205 0.9272 0.9336 0.9397 0.9455 0.9511

Columns 73 through 80

0.9563 0.9613 0.9659 0.9703 0.9744 0.9781 0.9816 0.9848

Columns 81 through 88

0.9877 0.9903 0.9925 0.9945 0.9962 0.9976 0.9986 0.9994

Columns 89 through 96

0.9998 1.0000 0.9998 0.9994 0.9986 0.9976 0.9962 0.9945

Columns 97 through 104

0.9925 0.9903 0.9877 0.9848 0.9816 0.9781 0.9744 0.9703

Columns 105 through 112

0.9659 0.9613 0.9563 0.9511 0.9455 0.9397 0.9336 0.9272

Columns 113 through 120

0.9205 0.9135 0.9063 0.8988 0.8910 0.8829 0.8746 0.8660

Columns 121 through 128

0.8572 0.8480 0.8387 0.8290 0.8192 0.8090 0.7986 0.7880

Columns 129 through 136

0.7771 0.7660 0.7547 0.7431 0.7314 0.7193 0.7071 0.6947

Columns 137 through 144

0.6820 0.6691 0.6561 0.6428 0.6293 0.6157 0.6018 0.5878

Columns 145 through 152

0.5736 0.5592 0.5446 0.5299 0.5150 0.5000 0.4848 0.4695

Columns 153 through 160

0.4540 0.4384 0.4226 0.4067 0.3907 0.3746 0.3584 0.3420

Columns 161 through 168

0.3256 0.3090 0.2924 0.2756 0.2588 0.2419 0.2250 0.2079

Columns 169 through 176

0.1908 0.1736 0.1564 0.1392 0.1219 0.1045 0.0872 0.0698

Columns 177 through 184

0.0523 0.0349 0.0175 0 -0.0175 -0.0349 -0.0523 -0.0698

Columns 185 through 192

-0.0872 -0.1045 -0.1219 -0.1392 -0.1564 -0.1736 -0.1908 -0.2079

Columns 193 through 200

-0.2250 -0.2419 -0.2588 -0.2756 -0.2924 -0.3090 -0.3256 -0.3420

Columns 201 through 208

-0.3584 -0.3746 -0.3907 -0.4067 -0.4226 -0.4384 -0.4540 -0.4695

Columns 209 through 216

-0.4848 -0.5000 -0.5150 -0.5299 -0.5446 -0.5592 -0.5736 -0.5878

Columns 217 through 224

-0.6018 -0.6157 -0.6293 -0.6428 -0.6561 -0.6691 -0.6820 -0.6947

Columns 225 through 232

-0.7071 -0.7193 -0.7314 -0.7431 -0.7547 -0.7660 -0.7771 -0.7880

Columns 233 through 240

-0.7986 -0.8090 -0.8192 -0.8290 -0.8387 -0.8480 -0.8572 -0.8660

Columns 241 through 248

-0.8746 -0.8829 -0.8910 -0.8988 -0.9063 -0.9135 -0.9205 -0.9272

Columns 249 through 256

-0.9336 -0.9397 -0.9455 -0.9511 -0.9563 -0.9613 -0.9659 -0.9703

Columns 257 through 264

-0.9744 -0.9781 -0.9816 -0.9848 -0.9877 -0.9903 -0.9925 -0.9945

Columns 265 through 272

-0.9962 -0.9976 -0.9986 -0.9994 -0.9998 -1.0000 -0.9998 -0.9994

Columns 273 through 280

-0.9986 -0.9976 -0.9962 -0.9945 -0.9925 -0.9903 -0.9877 -0.9848

Columns 281 through 288

-0.9816 -0.9781 -0.9744 -0.9703 -0.9659 -0.9613 -0.9563 -0.9511

Columns 289 through 296

-0.9455 -0.9397 -0.9336 -0.9272 -0.9205 -0.9135 -0.9063 -0.8988

Columns 297 through 304

-0.8910 -0.8829 -0.8746 -0.8660 -0.8572 -0.8480 -0.8387 -0.8290

Columns 305 through 312

-0.8192 -0.8090 -0.7986 -0.7880 -0.7771 -0.7660 -0.7547 -0.7431

Columns 313 through 320

-0.7314 -0.7193 -0.7071 -0.6947 -0.6820 -0.6691 -0.6561 -0.6428

Columns 321 through 328

-0.6293 -0.6157 -0.6018 -0.5878 -0.5736 -0.5592 -0.5446 -0.5299

Columns 329 through 336

-0.5150 -0.5000 -0.4848 -0.4695 -0.4540 -0.4384 -0.4226 -0.4067

Columns 337 through 344

-0.3907 -0.3746 -0.3584 -0.3420 -0.3256 -0.3090 -0.2924 -0.2756

Columns 345 through 352

-0.2588 -0.2419 -0.2250 -0.2079 -0.1908 -0.1736 -0.1564 -0.1392

Columns 353 through 360

-0.1219 -0.1045 -0.0872 -0.0698 -0.0523 -0.0349 -0.0175 0

plot(x,y)

axis equal

axis square

axis normal

xlabel('Variable independiente')

ylabel('Variable dependiente')

title('Funcion senoidal')

grid

disp('Aqui colocar figura 1')

Aqui colocar figura 1

Gráfico, Gráfico de líneas

Descripción generada automáticamente

text(90,1,'(90;1)')

plot(x,y)

Gráfico, Gráfico de líneas

Descripción generada automáticamente

hold on

hold off

z = tand(x)

z =

Columns 1 through 8

0.0175 0.0349 0.0524 0.0699 0.0875 0.1051 0.1228 0.1405

Columns 9 through 16

0.1584 0.1763 0.1944 0.2126 0.2309 0.2493 0.2679 0.2867

Columns 17 through 24

0.3057 0.3249 0.3443 0.3640 0.3839 0.4040 0.4245 0.4452

Columns 25 through 32

0.4663 0.4877 0.5095 0.5317 0.5543 0.5774 0.6009 0.6249

Columns 33 through 40

0.6494 0.6745 0.7002 0.7265 0.7536 0.7813 0.8098 0.8391

Columns 41 through 48

0.8693 0.9004 0.9325 0.9657 1.0000 1.0355 1.0724 1.1106

Columns 49 through 56

1.1504 1.1918 1.2349 1.2799 1.3270 1.3764 1.4281 1.4826

Columns 57 through 64

1.5399 1.6003 1.6643 1.7321 1.8040 1.8807 1.9626 2.0503

Columns 65 through 72

2.1445 2.2460 2.3559 2.4751 2.6051 2.7475 2.9042 3.0777

Columns 73 through 80

3.2709 3.4874 3.7321 4.0108 4.3315 4.7046 5.1446 5.6713

Columns 81 through 88

6.3138 7.1154 8.1443 9.5144 11.4301 14.3007 19.0811 28.6363

Columns 89 through 96

57.2900 Inf -57.2900 -28.6363 -19.0811 -14.3007 -11.4301 -9.5144

Columns 97 through 104

-8.1443 -7.1154 -6.3138 -5.6713 -5.1446 -4.7046 -4.3315 -4.0108

Columns 105 through 112

-3.7321 -3.4874 -3.2709 -3.0777 -2.9042 -2.7475 -2.6051 -2.4751

Columns 113 through 120

-2.3559 -2.2460 -2.1445 -2.0503 -1.9626 -1.8807 -1.8040 -1.7321

Columns 121 through 128

-1.6643 -1.6003 -1.5399 -1.4826 -1.4281 -1.3764 -1.3270 -1.2799

Columns 129 through 136

-1.2349 -1.1918 -1.1504 -1.1106 -1.0724 -1.0355 -1.0000 -0.9657

Columns 137 through 144

-0.9325 -0.9004 -0.8693 -0.8391 -0.8098 -0.7813 -0.7536 -0.7265

Columns 145 through 152

-0.7002 -0.6745 -0.6494 -0.6249 -0.6009 -0.5774 -0.5543 -0.5317

Columns 153 through 160

-0.5095 -0.4877 -0.4663 -0.4452 -0.4245 -0.4040 -0.3839 -0.3640

Columns 161 through 168

-0.3443 -0.3249 -0.3057 -0.2867 -0.2679 -0.2493 -0.2309 -0.2126

Columns 169 through 176

-0.1944 -0.1763 -0.1584 -0.1405 -0.1228 -0.1051 -0.0875 -0.0699

Columns 177 through 184

-0.0524 -0.0349 -0.0175 0 0.0175 0.0349 0.0524 0.0699

Columns 185 through 192

0.0875 0.1051 0.1228 0.1405 0.1584 0.1763 0.1944 0.2126

Columns 193 through 200

0.2309 0.2493 0.2679 0.2867 0.3057 0.3249 0.3443 0.3640

Columns 201 through 208

0.3839 0.4040 0.4245 0.4452 0.4663 0.4877 0.5095 0.5317

Columns 209 through 216

0.5543 0.5774 0.6009 0.6249 0.6494 0.6745 0.7002 0.7265

Columns 217 through 224

0.7536 0.7813 0.8098 0.8391 0.8693 0.9004 0.9325 0.9657

Columns 225 through 232

1.0000 1.0355 1.0724 1.1106 1.1504 1.1918 1.2349 1.2799

Columns 233 through 240

1.3270 1.3764 1.4281 1.4826 1.5399 1.6003 1.6643 1.7321

Columns 241 through 248

1.8040 1.8807 1.9626 2.0503 2.1445 2.2460 2.3559 2.4751

Columns 249 through 256

2.6051 2.7475 2.9042 3.0777 3.2709 3.4874 3.7321 4.0108

Columns 257 through 264

4.3315 4.7046 5.1446 5.6713 6.3138 7.1154 8.1443 9.5144

Columns 265 through 272

11.4301 14.3007 19.0811 28.6363 57.2900 -Inf -57.2900 -28.6363

Columns 273 through 280

-19.0811 -14.3007 -11.4301 -9.5144 -8.1443 -7.1154 -6.3138 -5.6713

Columns 281 through 288

-5.1446 -4.7046 -4.3315 -4.0108 -3.7321 -3.4874 -3.2709 -3.0777

Columns 289 through 296

-2.9042 -2.7475 -2.6051 -2.4751 -2.3559 -2.2460 -2.1445 -2.0503

Columns 297 through 304

-1.9626 -1.8807 -1.8040 -1.7321 -1.6643 -1.6003 -1.5399 -1.4826

Columns 305 through 312

-1.4281 -1.3764 -1.3270 -1.2799 -1.2349 -1.1918 -1.1504 -1.1106

Columns 313 through 320

-1.0724 -1.0355 -1.0000 -0.9657 -0.9325 -0.9004 -0.8693 -0.8391

Columns 321 through 328

-0.8098 -0.7813 -0.7536 -0.7265 -0.7002 -0.6745 -0.6494 -0.6249

Columns 329 through 336

-0.6009 -0.5774 -0.5543 -0.5317 -0.5095 -0.4877 -0.4663 -0.4452

Columns 337 through 344

-0.4245 -0.4040 -0.3839 -0.3640 -0.3443 -0.3249 -0.3057 -0.2867

Columns 345 through 352

-0.2679 -0.2493 -0.2309 -0.2126 -0.1944 -0.1763 -0.1584 -0.1405

Columns 353 through 360

-0.1228 -0.1051 -0.0875 -0.0699 -0.0524 -0.0349 -0.0175 0

w = cosh(x)

w =

1.0e+156 \*

Columns 1 through 8

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 9 through 16

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 17 through 24

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 25 through 32

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 33 through 40

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 41 through 48

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 49 through 56

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 57 through 64

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 65 through 72

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 73 through 80

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 81 through 88

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 89 through 96

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 97 through 104

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 105 through 112

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 113 through 120

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 121 through 128

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 129 through 136

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 137 through 144

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 145 through 152

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 153 through 160

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 161 through 168

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 169 through 176

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 177 through 184

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 185 through 192

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 193 through 200

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 201 through 208

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 209 through 216

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 217 through 224

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 225 through 232

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 233 through 240

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 241 through 248

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 249 through 256

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 257 through 264

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 265 through 272

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 273 through 280

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 281 through 288

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 289 through 296

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 297 through 304

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 305 through 312

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 313 through 320

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 321 through 328

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 329 through 336

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 337 through 344

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 345 through 352

0.0000 0.0000 0.0000 0.0000 0.0000 0.0001 0.0001 0.0004

Columns 353 through 360

0.0010 0.0027 0.0075 0.0203 0.0552 0.1501 0.4080 1.1091

k = sech(x)

k =

Columns 1 through 8

0.6481 0.2658 0.0993 0.0366 0.0135 0.0050 0.0018 0.0007

Columns 9 through 16

0.0002 0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 17 through 24

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 25 through 32

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 33 through 40

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 41 through 48

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 49 through 56

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 57 through 64

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 65 through 72

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 73 through 80

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 81 through 88

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 89 through 96

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 97 through 104

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 105 through 112

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 113 through 120

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 121 through 128

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 129 through 136

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 137 through 144

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 145 through 152

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 153 through 160

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 161 through 168

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 169 through 176

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 177 through 184

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 185 through 192

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 193 through 200

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 201 through 208

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 209 through 216

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 217 through 224

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 225 through 232

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 233 through 240

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 241 through 248

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 249 through 256

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 257 through 264

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 265 through 272

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 273 through 280

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 281 through 288

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 289 through 296

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 297 through 304

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 305 through 312

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 313 through 320

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 321 through 328

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 329 through 336

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 337 through 344

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 345 through 352

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 353 through 360

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

plot(x,y,x,k) Gráfico

Descripción generada automáticamente

disp('Aqui colocar figura 3')

Aqui colocar figura 3

Gráfico, Gráfico de líneas

Descripción generada automáticamente

plot(x,w,'\*')

stairs(x,z)

Gráfico, Gráfico de líneas

Descripción generada automáticamente

stairs(x,z)

stem(x,y)

Gráfico, Histograma

Descripción generada automáticamente

disp('Aqui colocar figura 6')

Aqui colocar figura 6

loglog(x,y)

Gráfico, Gráfico de líneas

Descripción generada automáticamente

[Warning: Negative data ignored]

grid

disp('Aqui colocar figura 7')

Aqui colocar figura 7

semilog(x,y)

{Unrecognized function or variable 'semilog'.

}

semilogx(x,y)

grid

disp('Aqui colocar figura 8')

Aqui colocar figura 8

Gráfico

Descripción generada automáticamente

semilogy(x,y)

[Warning: Negative data ignored]

grid

clc

subplot(2,2,1),plot(x,y),title('Funcion senoidal')

subplot(2,2,2),plot(x,z),title('Funcion tangencial')

subplot(2,2,3),plot(x,w),title('Funcion coship')

subplot(2,2,4),plot(x,k),title('Funcion sec')

disp('Aqui colocar figura 10')

Aqui colocar figura 10

Diagrama, Dibujo de ingeniería

Descripción generada automáticamente

clc

fplot('cot',[-8\*pi,8\*pi])

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@cot) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

disp('Aqui colocar figura 11')

Aqui colocar figura 11

clc

sym x

ans =

x

syms

Your symbolic variables are:

ans

syms x

syms y

syms z

diff(tan(x\*8+pi/3)+tanh(14\*y-pi)-1/exp(cos(z+pi/2)))

ans =

8\*tan(8\*x + pi/3)^2 + 8

diff(tan(x\*8+pi/3)+tanh(14\*y-pi)-1/exp(cos(z+pi/2)),'y')

ans =

14 - 14\*tanh(14\*y - pi)^2

diff(tan(x\*8+pi/3)+tanh(14\*y-pi)-1/exp(cos(z+pi/2)),'z')

ans =

-exp(-cos(z + pi/2))\*sin(z + pi/2)

diff(tan(x\*8+pi/3)+tanh(14\*y-pi)-1/exp(cos(z+pi/2)),'4')

ans =

1024\*tan(8\*x + pi/3)\*(8\*tan(8\*x + pi/3)^2 + 8)^2 + 4096\*tan(8\*x + pi/3)^3\*(8\*tan(8\*x + pi/3)^2 + 8)

diff(tan(x\*8+pi/3)+tanh(14\*y-pi)-1/exp(cos(z+pi/2)),'7')

ans =

16777216\*tan(8\*x + pi/3)^6\*(8\*tan(8\*x + pi/3)^2 + 8) + 139264\*(8\*tan(8\*x + pi/3)^2 + 8)^4 + 11796480\*tan(8\*x + pi/3)^2\*(8\*tan(8\*x + pi/3)^2 + 8)^3 + 59768832\*tan(8\*x + pi/3)^4\*(8\*tan(8\*x + pi/3)^2 + 8)^2

clc

feval('cosh',pi/3)

ans =

1.6003

fminbnd(@secd,0,360)

ans =

270.0000

fzero('sind',130)

ans =

180

fzero('sind',70)

ans =

-2.3712e-17

clc

fplot('cos(x)/sqrt(x^3+2)')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)cos(x)./sqrt(x.^3+2)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,1),fplot('cos(x)/sqrt(x^3+2)'),title('Funcion')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)cos(x)./sqrt(x.^3+2)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,1),fplot('cos(x)/sqrt(x^3+2)'),title('Funcion 1')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)cos(x)./sqrt(x.^3+2)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,2),fplot('abs(x^4)/log(sin(x))'),title('Funcion 2')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(x.^4)./log(sin(x))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,3),fplot('log(x)\*sqrt(tan(x-pi))'),title('Funcion 3'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)log(x).\*sqrt(tan(x-pi))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,4),fplot('(x^6+6\*x^3-2)/sin(exp(x^2+1))'),title('Funcion 4'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)(x.^6+6.\*x.^3-2)./sin(exp(x.^2+1))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,4),fplot('(tan(x))^3/log10(x)'),title('Funcion 5'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)(tan(x)).^3./log10(x)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,4),fplot('(x^6+6\*x^3-2)/sin(exp(x^2+1))'),title('Funcion 4'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)(x.^6+6.\*x.^3-2)./sin(exp(x.^2+1))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,5),fplot('(tan(x))^3/log10(x)'),title('Funcion 5'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)(tan(x)).^3./log10(x)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,6),fplot('abs(exp(x^3+4))+log(x)'),title('Funcion 6'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(exp(x.^3+4))+log(x)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,6),fplot('abs(exp(x^3+4))+log(sin(x))'),title('Funcion 6'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(exp(x.^3+4))+log(sin(x))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,6),fplot('abs(sin(exp(x^3+4)))+log(sin(x))'),title('Funcion 6'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(sin(exp(x.^3+4)))+log(sin(x))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,6),fplot('abs(exp(x^3+4))+log(sin(x))'),title('Funcion 6'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(exp(x.^3+4))+log(sin(x))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,6),fplot('abs(sin(exp(x^3+4)))+log(cos(x))'),title('Funcion 6'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(sin(exp(x.^3+4)))+log(cos(x))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

w= 1:100;

z= 2.^(w^3-2);

{Error using <a href="matlab:matlab.internal.language.introspective.errorDocCallback('mpower', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\ops\mpower.m', 51)" style="font-weight:bold"> ^ </a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\ops\mpower.m',51,0)">line 51</a>)

Incorrect dimensions for raising a matrix to a power. Check that the matrix is square

and the power is a scalar. To perform elementwise matrix powers, use '.^'.

}

z= 2.^(w.^3-2);

subplot(2,3,5),loglog(w,z),title('Funcion 5'),grid

subplot(2,3,1),fplot('cos(x)/sqrt(x^3+2)'),title('Funcion 1')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)cos(x)./sqrt(x.^3+2)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,1),fplot('cos(x)/sqrt(x^3+2)'),title('Funcion 1: cos(x)/sqrt(x^3+2)')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)cos(x)./sqrt(x.^3+2)) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,2),fplot('abs(x^4)/log(sin(x))'),title('Funcion 2 abs(x^4)/log(sin(x))')

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)abs(x.^4)./log(sin(x))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

subplot(2,3,3),fplot('log(x)\*sqrt(tan(x-pi))'),title('Funcion 3: log(x)\*sqrt(tan(x-pi))'),grid

[Warning: fplot will not accept character vector or string inputs in a future release.

Use fplot(@(x)log(x).\*sqrt(tan(x-pi))) instead.]

[> In <a href="matlab:matlab.internal.language.introspective.errorDocCallback('fplot', 'C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m', 110)" style="font-weight:bold">fplot</a> (<a href="matlab: opentoline('C:\Program Files\Polyspace\R2020a\toolbox\matlab\graphics\function\fplot.m',110,0)">line 110</a>)]

Date

Diagrama, Dibujo de ingeniería

Descripción generada automáticamente

ans =

'12-May-2022'

clock

ans =

1.0e+03 \*

2.0220 0.0050 0.0120 0.0130 0.0540 0.0297

diary off