

A

altitude, 1, 3, 23, 24, 25, 26, 27, 40, 42, 50, 77, 112, 202, 230, 231, 232, 233, 234, 235, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 248, 260, 261, 264, 268, 271, 273, 276, 281, 282, 287, 289, 293, 306, 324, 333, 380, 381, 382, 383, 384, 385, 391
 analemma, 27, 30, 44, 117, 121, 122, 148, 149, 168, 246, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 367, 372, 385, 394
 analematic, 3, 67, 70, 92, 246, 252, 253, 254, 255, 259, 385, 392
 animation, 51, 157, 202, 236, 345
 Antarctic, 21
 Arctic, 21
 armillary, 1, 4, 56, 57, 61, 62, 63, 68, 69, 71, 72, 73, 74, 75, 77, 81, 82, 96, 101, 102, 123, 124, 126, 134, 261, 282, 283, 284, 287, 288, 295, 297, 308, 313, 316, 318, 320, 381
 astro-compass, 36, 151, 152
 astrolabe, 2, 12, 15, 24, 202, 239, 240, 243, 244, 245, 385
 Atkinson, 134, 322
 Australia, 16, 44, 233
 azimuth, 1, 3, 23, 24, 25, 26, 27, 36, 39, 40, 43, 50, 112, 152, 202, 212, 230, 246, 247, 248, 249, 250, 252, 253, 255, 260, 264, 268, 271, 272, 273, 276, 281, 282, 287, 289, 293, 306, 334, 344, 357, 380, 382, 383, 384, 385, 391

B

Babylonian, 1, 6, 86, 90, 91, 103, 268, 278, 279, 280, 383, 384, 385, 390
 BASIC, 205, 206, 273, 336, 337, 340, 342, 345, 348, 361
 biblical hours, 278
 bifilar, 297, 394

C

C++, 336, 350, 351
 CAD, 1, 51, 64, 65, 72, 85, 87, 88, 91, 92, 132, 136, 158, 171, 173, 176, 177, 178, 179, 180, 182, 183, 184, 185, 187, 189, 202, 206, 232, 234, 235, 238, 253, 254, 273, 305, 316, 317, 324, 325, 326, 327, 328, 329, 336, 337, 339, 342, 360, 364, 366, 381
 calendar lines, 56, 58, 66, 69, 70, 71, 72, 82, 85, 88, 89, 92, 96, 99, 112, 144, 153, 167, 168, 202, 206, 207, 213, 215, 219, 226, 231, 232, 260, 262, 263, 264, 265, 266, 274, 275, 276, 277, 278, 315, 327, 341, 342, 343, 345, 384, 385
 Capuchin, 23, 231, 233, 237, 380, 381
 Cassiopeia, 42, 310, 311, 312
 clay, 7, 9, 35, 67, 68, 119, 136, 155, 158, 170, 199, 205, 207, 208, 250, 251, 336, 342, 345
 clouds, 21, 35, 67, 298

co-latitude, 67, 93, 95, 104, 115, 116, 117, 118, 119, 120, 121, 123, 124, 129, 130, 131, 132, 134, 135, 137, 138, 139, 140, 141, 142, 143, 144, 174, 204, 206, 231, 261, 262, 264, 287, 293, 294, 311, 312, 316, 348, 355, 377
 correction, 5, 10, 20, 30, 32, 36, 37, 38, 62, 63, 77, 80, 84, 87, 90, 91, 93, 95, 98, 101, 103, 114, 117, 121, 125, 129, 136, 151, 173, 197, 200, 206, 213, 222, 223, 224, 227, 250, 257, 279, 280, 287, 296, 302, 303, 307, 332, 344, 348, 350, 357, 365, 383, 385, 390
 cylinder, 23, 180, 181, 235, 240, 358, 384

D

daylight saving, 33, 37, 38, 40, 257
 declination, 1, 6, 8, 10, 12, 13, 15, 19, 22, 24, 26, 35, 36, 39, 40, 43, 46, 47, 58, 61, 62, 63, 64, 65, 66, 67, 72, 77, 80, 82, 83, 84, 85, 86, 88, 89, 93, 94, 96, 97, 98, 102, 103, 107, 109, 110, 112, 113, 118, 120, 126, 131, 132, 134, 135, 137, 139, 140, 141, 142, 145, 148, 150, 151, 152, 158, 159, 160, 161, 162, 167, 168, 170, 174, 178, 179, 180, 185, 187, 189, 190, 194, 211, 212, 221, 230, 231, 232, 234, 246, 247, 250, 253, 255, 257, 259, 260, 261, 262, 263, 264, 267, 268, 269, 270, 271, 273, 274, 276, 277, 278, 279, 281, 282, 286, 287, 288, 289, 290, 291, 293, 299, 302, 304, 306, 308, 316, 334, 341, 344, 345, 354, 355, 367, 373, 374, 378, 381, 384, 385, 387, 391, 394
 decline, 6, 7, 77, 130, 137, 203, 206
 decliner, 1, 50, 115, 126, 128, 131, 135, 137, 139, 140, 143, 145, 146, 147, 148, 149, 150, 153, 157, 159, 161, 162, 167, 168, 169, 171, 172, 173, 174, 175, 187, 201, 202, 209, 215, 264, 265, 282, 289, 290, 291, 292, 293, 315, 355, 367, 372, 378, 381, 385, 394
 DeltaCAD, 1, 58, 135, 149, 152, 153, 157, 158, 169, 201, 202, 205, 206, 207, 213, 233, 236, 245, 248, 250, 260, 263, 273, 274, 279, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 304, 324, 336, 340, 342, 345, 346, 347, 348, 351, 359, 360, 364, 368, 370, 374, 375
 dial center, 5, 9, 10, 71, 77, 100, 104, 105, 107, 108, 112, 114, 117, 120, 121, 123, 130, 131, 133, 134, 135, 137, 139, 140, 143, 146, 150, 159, 160, 161, 162, 164, 165, 166, 167, 171, 173, 174, 181, 190, 191, 193, 194, 195, 196, 197, 207, 249, 259, 264, 266, 267, 268, 271, 273, 274, 276, 287, 289, 297, 301, 303, 304, 311, 316, 319, 320, 321, 322, 323, 327, 377, 382, 394, 398
 dial furniture, 1, 54, 107, 140, 141, 170, 244, 260, 261, 278, 280, 281
 dial plate, 2, 3, 4, 6, 7, 8, 9, 10, 13, 15, 23, 25, 26, 27, 35, 41, 44, 46, 47, 50, 56, 57, 58, 59, 61, 62, 63, 64, 65, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 79, 80, 81, 82, 83, 84, 86, 87, 88, 91, 92, 93, 94, 95, 96, 97, 98, 100, 101, 102, 104, 107, 108, 109, 112, 113, 114, 121, 122, 123, 124, 126, 127, 128, 129, 131, 132, 133, 134, 135, 136, 140, 141, 148, 153, 154, 155,

156, 157, 159, 161, 162, 164, 166, 167, 170, 173, 175, 176, 177, 179, 180, 181, 183, 184, 185, 187, 189, 192, 193, 194, 196, 197, 199, 200, 201, 202, 203, 205, 206, 207, 208, 209, 210, 212, 213, 215, 216, 218, 219, 221, 222, 223, 224, 225, 226, 227, 228, 229, 232, 233, 235, 236, 238, 241, 250, 251, 260, 261, 262, 266, 267, 268, 273, 276, 277, 281, 282, 283, 284, 286, 287, 288, 289, 290, 291, 293, 297, 300, 301, 305, 306, 308, 312, 313, 314, 315, 317, 318, 319, 320, 322, 326, 327, 328, 329, 335, 336, 337, 342, 343, 345, 346, 347, 361, 364, 365, 367, 368, 369, 372, 377, 378, 380, 381, 382, 383, 394, 398

difference in longitude, 32, 78, 148, 149, 168, 290, 291, 367

DL, 1, 148, 149, 168, 281, 290, 291, 292, 367, 372, 385, 394

Durer, 27, 50, 55, 125, 385

E

ecliptic, 12, 13, 14, 15, 29, 239, 240, 241, 242, 260, 308, 380

ellipse, 16, 29, 242, 252, 253, 255, 256, 259, 392

empirical, 2, 46, 72, 77, 78, 79, 100, 101, 103, 104, 113, 132, 133, 138, 139, 159, 160, 176, 278, 304, 393

EOT, 1, 2, 5, 10, 20, 26, 28, 29, 30, 31, 32, 34, 35, 36, 37, 38, 39, 40, 62, 77, 78, 80, 83, 84, 90, 95, 98, 99, 101, 103, 104, 114, 121, 125, 136, 151, 157, 170, 197, 200, 232, 235, 244, 247, 250, 254, 279, 280, 282, 284, 285, 286, 287, 288, 293, 295, 296, 298, 302, 303, 304, 306, 317, 322, 331, 334, 380, 381, 388, 390, 393, 395

equal hours, 5, 21, 24

equation of time, 1, 2, 8, 10, 15, 16, 20, 26, 27, 28, 29, 30, 31, 32, 37, 38, 41, 44, 45, 57, 61, 62, 77, 78, 79, 80, 100, 101, 104, 114, 121, 122, 125, 168, 179, 197, 200, 210, 220, 232, 233, 235, 239, 243, 244, 247, 248, 250, 257, 258, 281, 286, 287, 293, 295, 298, 318, 385, 390

equatorial dial, 4, 27, 46, 50, 56, 57, 58, 59, 61, 62, 63, 67, 69, 74, 77, 79, 82, 96, 124, 126, 127, 137, 138, 139, 143, 150, 159, 175, 176, 178, 202, 203, 204, 262, 282, 286, 287, 295, 308, 319, 343, 344, 367, 381, 383, 384

equinoctial dial, 4

equinox line, 47, 63, 70, 77, 82, 83, 84, 89, 92, 93, 96, 97, 98, 102, 103, 108, 114, 121, 143, 144, 149, 208, 229, 261, 262, 264, 265, 266, 268, 277, 280, 300, 301, 304, 316, 341, 398

Excel, 1, 9, 135, 179, 187, 202, 206, 268, 282, 283, 324, 333, 357

F

FORTRAN, 152, 336, 352, 353

G

geometrical, 25, 94, 102, 107, 115, 118, 124, 137, 239, 278, 385

gnomon, 4, 5, 7, 8, 9, 10, 13, 15, 23, 24, 25, 26, 33, 35, 44, 46, 55, 56, 57, 58, 60, 64, 65, 66, 70, 71, 72, 73, 74, 77, 78, 79, 80, 84, 85, 86, 87, 91, 92, 93, 96, 98, 99, 100, 101, 102, 104, 107, 108, 110, 111, 112, 113, 114, 119, 120, 121, 122, 123, 124, 126, 130, 132, 133, 134, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 148, 150, 157, 159, 160, 161, 162, 164, 165, 166, 167, 168, 170, 171, 172, 173, 174, 175, 176, 177, 179, 180, 181, 183, 199, 200, 203, 207, 208, 209, 210, 213, 219, 220, 222, 223, 225, 226, 229, 234, 235, 236, 238, 247, 248, 249, 250, 251, 252, 253, 254, 255, 257, 258, 259, 262, 264, 265, 266, 268, 269, 270, 271, 272, 273, 274, 276, 277, 281, 282, 283, 284, 285, 286, 287, 293, 295, 296, 297, 298, 300, 303, 309, 313, 314, 315, 316, 317, 319, 320, 321, 322, 323, 327, 329, 333, 341, 343, 345, 377, 378, 380, 383, 384, 385, 392, 394, 398

great decliner, 1, 7, 115, 159, 161, 162, 166, 168, 169, 215, 216, 268, 271, 385

Greenwich, 18, 31, 308

H

horizontal dial, 1, 5, 6, 9, 23, 82, 100, 101, 102, 103, 106, 107, 108, 112, 113, 115, 116, 117, 118, 120, 121, 123, 124, 127, 128, 129, 130, 131, 134, 137, 138, 139, 140, 146, 147, 148, 149, 150, 153, 159, 160, 171, 172, 173, 174, 175, 201, 202, 206, 208, 213, 222, 264, 265, 266, 268, 271, 273, 276, 288, 290, 291, 292, 294, 300, 301, 313, 316, 319, 321, 328, 335, 337, 339, 341, 343, 348, 350, 367, 368, 372, 376, 377, 381, 382, 384, 394, 398

hour angle, 1, 3, 4, 5, 15, 24, 25, 26, 27, 36, 37, 39, 50, 56, 57, 75, 79, 80, 91, 111, 122, 126, 127, 134, 140, 145, 147, 148, 149, 151, 178, 192, 196, 209, 217, 230, 246, 248, 249, 257, 260, 279, 280, 287, 297, 298, 308, 312, 321, 331, 334, 349, 351, 353, 355, 367, 368, 369, 376, 382, 383, 384, 385, 391, 392

hour lines, 3, 5, 6, 7, 8, 9, 10, 23, 24, 26, 30, 46, 47, 56, 57, 58, 60, 63, 66, 68, 71, 75, 77, 78, 80, 82, 83, 85, 86, 90, 91, 92, 93, 94, 96, 97, 99, 100, 101, 102, 103, 104, 106, 107, 108, 109, 110, 113, 114, 115, 116, 117, 120, 121, 122, 123, 124, 125, 127, 129, 130, 134, 135, 136, 137, 139, 140, 143, 144, 148, 150, 153, 157, 158, 159, 161, 167, 168, 169, 170, 171, 172, 173, 176, 177, 181, 185, 192, 194, 197, 198, 199, 200, 202, 206, 207, 209, 210, 213, 215, 216, 222, 223, 224, 225, 226, 229, 231, 232, 234, 235, 236, 238, 241, 250, 252, 253, 255, 262, 263, 266, 267, 272, 274, 276, 280, 287, 288, 290, 291, 292, 294, 297, 299, 301, 304, 305, 306, 315, 316, 319, 321, 324, 327, 335, 341, 342, 343, 345, 365, 367, 372, 381, 382, 383, 385, 390, 393, 394, 397

I

IBM 1401, 336, 354, 356
IBM 360, 336
incline, 77, 171, 174, 203, 209
incliner, 135
inclining, 7, 135, 173, 179, 181, 186, 202, 276
Italian, 1, 6, 65, 82, 84, 85, 86, 90, 91, 92, 99, 103,
156, 268, 278, 279, 280, 281, 288, 383, 384, 385,
390

J

Jaipur, 51, 52
JAVA, 368
JustBASIC, 348

K

kiln, 251, 314

L

L.A.T., 5, 10, 18, 20, 32, 36, 38, 39, 40, 61, 74, 77, 78,
81, 84, 90, 95, 98, 100, 103, 156, 202, 216, 217,
223, 224, 227, 228, 230, 243, 245, 272, 274, 279,
280, 295, 298, 300, 307, 341, 381, 390, 393
LAT, 2, 20, 62, 230
latitude adjustment, 320
Lazarus, 354, 356, 368, 375
lighting, 8, 326, 329, 358
limiting, 244, 275, 381
local apparent time, 5, 18, 20, 32, 36, 38, 39, 40, 61,
62, 74, 81, 90, 95, 100, 156, 240, 244, 264, 274,
279, 290, 343, 367, 381, 390
local time, 5, 91, 311
logarithm, 367, 368, 369, 370
longitude correction, 5, 20, 25, 30, 32, 37, 38, 39, 40,
58, 61, 62, 63, 68, 74, 75, 77, 78, 79, 80, 81, 83, 84,
87, 90, 91, 93, 94, 95, 98, 100, 101, 102, 103, 104,
105, 114, 117, 121, 125, 128, 130, 134, 140, 143,
147, 151, 153, 161, 168, 172, 173, 197, 206, 207,
209, 213, 222, 223, 224, 248, 250, 257, 280, 282,
287, 288, 295, 296, 298, 304, 311, 312, 322, 334,
348, 369, 376, 390, 393, 394
lunar dial, 298, 307, 308, 309

M

magnetic, 10, 23, 35, 36, 37, 40, 41, 43, 65, 108, 151,
152, 171, 199, 200, 203, 211, 212, 230, 233, 238,
250, 252, 255, 257, 266, 317, 384, 385
magnetic declination, 10, 35, 43, 66, 68, 71, 86, 102,
139, 151, 152, 199, 200, 202, 205, 210, 212, 221,
257, 317
magnetic variation, 10, 35, 102, 255
mean sun, 20, 28, 29, 32
mean time, 20, 32, 38, 62

meridian, 1, 7, 18, 20, 25, 32, 35, 37, 38, 42, 45, 61,
62, 67, 68, 74, 78, 80, 81, 83, 84, 87, 90, 93, 94, 95,
97, 98, 99, 100, 101, 104, 115, 117, 124, 127, 131,
135, 136, 149, 151, 156, 160, 173, 197, 200, 202,
203, 206, 207, 208, 213, 222, 228, 240, 258, 263,
282, 290, 291, 292, 293, 299, 300, 301, 302, 303,
304, 305, 306, 313, 314, 315, 316, 341, 342, 343,
348, 350, 353, 355, 367, 372, 373, 374, 377, 391,
398
Middleton, 377
minutes of time, 257
moon, 11, 14, 24, 51, 298, 307, 308, 309, 380
mottoes, 54

N

nocturnal, 12, 24, 298, 310, 312
nodus, 4, 5, 8, 9, 33, 35, 46, 47, 56, 58, 60, 61, 62, 64,
71, 72, 77, 79, 82, 93, 94, 96, 99, 100, 108, 112,
114, 121, 122, 123, 124, 137, 141, 152, 170, 192,
196, 202, 206, 219, 220, 261, 262, 266, 268, 273,
274, 276, 277, 278, 286, 287, 288, 293, 296, 313,
316, 327, 328, 329, 343, 344, 381, 382, 383, 384,
398
nomogram, 138, 279, 367, 368, 369, 370, 371, 372,
373, 374, 375
north pole, 382, 383, 384
north star, 11, 42, 119, 257, 310, 311

P

PASCAL, 354, 356
perpendicular, 17, 26, 39, 40, 43, 60, 70, 73, 75, 93,
94, 96, 104, 108, 111, 114, 121, 133, 143, 150, 151,
171, 175, 176, 181, 183, 189, 190, 191, 192, 194,
195, 196, 219, 231, 238, 239, 261, 262, 264, 266,
268, 282, 283, 287, 303, 306, 320
pillar, 92
plane, 12, 13, 14, 17, 151, 172, 176, 177, 180, 181,
183, 239, 242, 277, 283, 291, 292, 325, 326, 328,
329, 358, 380
polar axis, 4, 11, 13, 15, 16, 17, 24, 25, 26, 41, 43, 56,
57, 58, 60, 63, 67, 77, 82, 96, 100, 102, 116, 119,
122, 126, 127, 130, 134, 137, 164, 230, 239, 246,
248, 252, 257, 260, 262, 295, 298, 307, 308, 322,
380, 383
polar dial, 1, 7, 46, 47, 56, 63, 73, 77, 79, 80, 81, 82,
84, 85, 91, 93, 94, 96, 97, 127, 129, 134, 159, 202,
204, 263, 293, 316, 344, 373, 382
Polaris, 11, 12, 42, 119, 257, 310, 311
polarized, 1, 24, 298
projection, 94, 108, 109, 139, 140, 151, 160, 172, 174,
217, 219, 239, 245, 266, 267
proof, 40, 144, 145, 290
protractor, 57, 62, 63, 77, 79, 80, 81, 82, 84, 93, 95,
96, 98, 100, 101, 102, 103, 104, 105, 106, 110, 118,
129, 225, 234, 235, 238, 240, 243, 244, 277, 295,
316, 318, 319, 320

R

radians, 19, 22, 31, 46, 49, 86, 87, 90, 111, 112, 187, 230, 246, 259, 279, 330, 333, 339, 340, 353, 357, 361, 391, 395
reclination, 131, 134, 179, 394
recline, 77, 209, 323
recliner, 1, 128, 132, 173, 176
reclining, 7, 117, 131, 132, 133, 134, 179, 189, 194, 323
rules of thumb, 92, 133, 161, 178, 219, 381

S

shepherd, 23, 25, 202, 233, 234, 236, 344
slide rule, 367, 376
slip, 136, 156, 170, 207, 208, 250, 251
solstice line, 91, 94, 103, 108, 109, 118, 120, 231, 261, 262, 266, 267, 277, 278, 341
spreadsheet, 1, 9, 31, 37, 39, 40, 43, 58, 86, 87, 88, 90, 111, 132, 138, 140, 143, 147, 151, 152, 162, 164, 165, 166, 167, 178, 179, 182, 183, 184, 185, 186, 187, 188, 189, 197, 199, 201, 206, 213, 215, 217, 221, 222, 231, 232, 234, 235, 245, 247, 253, 255, 256, 258, 260, 268, 273, 287, 302, 303, 304, 306, 308, 317, 318, 323, 324, 325, 330, 331, 332, 333, 335, 357, 376, 380, 391, 395, 397
stained glass, 5, 7, 99, 313, 315
standard time, 18, 20, 24, 32, 33, 36, 37, 38, 39, 62, 78, 81, 83, 84, 90, 91, 94, 95, 97, 98, 107, 134, 200, 220, 239, 257, 287, 295, 309, 312, 385, 390, 393
style distance, 137, 138, 141, 142, 143, 144, 145, 150, 152, 153, 154, 159, 162, 164, 165, 167, 169, 175, 176, 177, 181, 182, 183, 184, 185, 187, 191, 197, 201, 209, 210, 213, 215, 218, 221, 222, 223, 224, 225, 226, 229, 264, 355, 378, 391
style height, 58, 63, 79, 83, 84, 85, 98, 112, 129, 130, 134, 137, 138, 140, 141, 142, 143, 144, 145, 150, 152, 153, 159, 162, 164, 165, 167, 169, 175, 177, 181, 183, 187, 191, 195, 197, 209, 210, 213, 218, 221, 222, 223, 224, 225, 264, 265, 268, 269, 270, 276, 290, 291, 293, 355, 367, 372, 378, 383, 391
sub-style, 8, 63, 79, 92, 95, 100, 102, 107, 110, 111, 114, 118, 121, 127, 133, 137, 140, 141, 142, 143, 144, 146, 150, 159, 162, 164, 165, 166, 167, 168, 177, 181, 191, 195, 202, 206, 207, 208, 209, 213, 219, 222, 224, 225, 226, 264, 265, 276, 277, 291, 293, 317, 342, 377, 379
sunrise, 6, 53, 58, 64, 86, 103, 119, 232, 233, 235, 245, 262, 278, 279, 280, 298, 334, 343, 344, 381, 383, 384, 385, 390, 392
sunset, 6, 8, 9, 53, 58, 64, 65, 82, 84, 85, 86, 90, 91, 99, 103, 119, 156, 202, 232, 233, 235, 245, 262,

278, 279, 280, 298, 334, 343, 381, 383, 384, 385, 390

T

TCW, 326, 366
temporary hours, 278
time zones, 18
trigon, 57, 77, 79, 100, 101, 102, 103, 104, 138, 139, 150, 160, 226, 277
trigonometry, 2, 25, 48, 50, 63, 77, 80, 100, 102, 112, 113, 133, 144, 159, 162, 165, 166, 167, 168, 173, 185, 186, 209, 219, 245, 261, 268, 271, 273, 281, 341, 342, 385
trivia, 157, 162
TurboCAD, 73, 88, 180, 181, 210, 216, 218, 260, 273, 324, 325, 326, 329, 336, 358, 359, 360, 361, 362, 364, 366

U

unequal hours, 278
unusable, 370, 371, 374, 380, 381
Ursa, 42, 310, 311, 312

V

variation, 14, 15, 28, 29, 35, 43, 77, 139, 151, 157, 200, 212, 296, 308
vertical dial, 6, 7, 8, 35, 44, 55, 93, 101, 103, 112, 115, 116, 117, 118, 119, 120, 121, 123, 124, 125, 127, 128, 129, 130, 131, 132, 134, 135, 137, 139, 140, 147, 151, 157, 158, 159, 173, 202, 203, 206, 207, 208, 213, 260, 264, 265, 266, 267, 276, 280, 287, 289, 290, 291, 292, 293, 294, 297, 313, 314, 316, 332, 341, 343, 347, 348, 354, 355, 367, 377, 380, 385
virtual, 5, 20, 28, 29, 32, 51, 203, 264, 276
Visual Basic, 152, 356, 360, 362
vrml, 1, 324, 326

W

wedge, 112, 130, 134, 160, 200, 321, 322, 358

Z

zone, 5, 10, 18, 20, 37, 38, 68, 173, 198, 258, 292, 304, 334, 348

The completion of this journey

DIFFERING SUN DIAL TYPES AND EXAMPLES

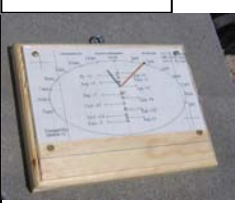


ALTITUDE DIALS AZIMUTH DIALS HOUR ANGLE DIALS

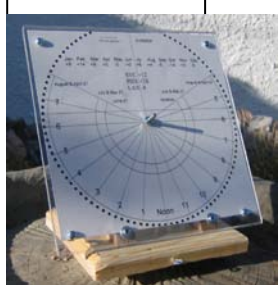
Capuchin



Analemmatic



Equatorial Dial



Armillary dial



Shepherd



Winged



Polar dial



Astrolabe



Horizontal dial



Vertical dial



Meridian dial

