testcoverage (pygeodesy 25.5.28): 95%

coverage.py v7.6.1, created at 2025-05-28 16:53 -0400

File	5-05-28 16:53			
	statements 187	missing 4	excluded 8	coverage 98%
pygeodesy/_initpy	408	13	30	98%
pygeodesy/albers.py	6	0	0	100%
pygeodesy/auxilats/_CX_4.py pygeodesy/auxilats/_CX_6.py	6	0	0	100%
pygeodesy/auxilats/_CX_8.py	6	0	0	100%
pygeodesy/auxilats/_CX_Rs.py	84	3	59	96%
pygeodesy/auxilats/initpy	8	0	0	100%
pygeodesy/auxilats/auxAngle.py	225	9	33	96%
pygeodesy/auxilats/auxDLat.py	150	8	10	95%
pygeodesy/auxilats/auxDST.py	98	3	35	97%
pygeodesy/auxilats/auxLat.py	438	31	47	93%
pygeodesy/auxilats/auxily.py	108	6	37	94%
pygeodesy/azimuthal.py	318	5	55	98%
pygeodesy/basics.py	276	27	162	90%
pygeodesy/booleans.py	966	51	145	95%
pygeodesy/cartesianBase.py	320	27	40	92%
pygeodesy/clipy.py	316	14	18	96%
pygeodesy/constants.py	196	3	81	98%
pygeodesy/css.py	234	6	12	97%
pygeodesy/datums.py	251	15	11	94%
pygeodesy/deprecated/initpy	13	0	3	100%
pygeodesy/deprecated/bases.py pygeodesy/deprecated/classes.py	62	0	180	100%
pygeodesy/deprecated/consterns.py	14	0	0	100%
pygeodesy/deprecated/datum.py	7	0	0	100%
pygeodesy/deprecated/functions.py	42	2	227	95%
pygeodesy/deprecated/nvector.py	6	0	6	100%
pygeodesy/deprecated/rhumbBase.py	3	0	0	100%
pygeodesy/deprecated/rhumbaux.py	4	0	0	100%
pygeodesy/deprecated/rhumbsolve.py	4	0	0	100%
pygeodesy/deprecated/rhumbx.py	4	0	0	100%
pygeodesy/dms.py	298	10	41	97%
pygeodesy/ecef.py	453	21	45	95%
pygeodesy/ecefLocals.py	49	4	2	92%
pygeodesy/elevations.py	69	14	51	80%
pygeodesy/ellipsoidalBase.py	262	15	64	94%
pygeodesy/ellipsoidalBaseDI.py	331	31	25	91%
pygeodesy/ellipsoidalExact.py	42	0	1	100%
pygeodesy/ellipsoidalGeodSolve.py	39	0	1	100%
pygeodesy/ellipsoidalKarney.py	40	0	6	100%
pygeodesy/ellipsoidalNvector.py	134	5	5	96%
pygeodesy/ellipsoidalVincenty.py	178	2	11	99%
pygeodesy/ellipsoids.py	747	29	79	96%
pygeodesy/elliptic.py	530 100	23	52 7	96%
pygeodesy/epsg.py	320	26	57	98%
pygeodesy/errors.py	410	34	115	92%
pygeodesy/etm.py	327	29	123	91%
pygeodesy/fmath.py pygeodesy/formy.py	448	11	25	98%
pygeodesy/frechet.py	261	11	78	96%
pygeodesy/fstats.py	325	6	24	98%
pygeodesy/fsums.py	1092	55	172	95%
pygeodesy/gars.py	144	5	10	97%
pygeodesy/geodesici.py	620	56	373	91%
pygeodesy/geodesicw.py	233	22	26	91%
pygeodesy/geodesicx/_C4_24.py	6	0	0	100%
pygeodesy/geodesicx/_C4_27.py	6	0	0	100%
pygeodesy/geodesicx/_C4_30.py	6	0	0	100%
pygeodesy/geodesicx/initpy	6	0	0	100%
pygeodesy/geodesicx/gx.py	519	38	32	93%
pygeodesy/geodesicx/gxarea.py	213	11	34	95%
pygeodesy/geodesicx/gxbases.py	63	4	1	94%
pygeodesy/geodesicx/gxline.py	253	20	26	92%
pygeodesy/geodsolve.py	83	2	122	98%
pygeodesy/geohash.py	368			
pygeodesy/geoids.py		10	42	
pygeodesy/hausdorff.py	688	28	121	96%
	688 235	28 11	121 57	96% 95%
pygeodesy/heights.py	688 235 315	28 11 15	121 57 122	96% 95% 95%
pygeodesy/heights.py pygeodesy/internals.py	688 235 315 265	28 11 15 20	121 57 122 118	96% 95% 95% 92%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py	688 235 315	28 11 15	121 57 122	96% 95% 95% 92% 99%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py	688 235 315 265 351	28 11 15 20 2	121 57 122 118 19	96% 95% 95% 92% 99%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py	688 235 315 265 351 204	28 11 15 20 2	121 57 122 118 19 27	96% 95% 95% 92% 99% 97%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py	688 235 315 265 351 204 366	28 11 15 20 2 7 28	121 57 122 118 19 27 75	96% 95% 95% 92% 99% 97% 92%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py	688 235 315 265 351 204 366 233	28 11 15 20 2 7 28 11	121 57 122 118 19 27 75 39	96% 95% 95% 92% 99% 97% 92% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py	688 235 315 265 351 204 366 233 475	28 11 15 20 2 7 28 11	121 57 122 118 19 27 75 39 86	96% 95% 95% 92% 99% 97% 92% 95% 93%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py	688 235 315 265 351 204 366 233 475 213	28 11 15 20 2 7 28 11 34	121 57 122 118 19 27 75 39 86 82	96% 95% 95% 92% 99% 97% 92% 95% 93% 96%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py	688 235 315 265 351 204 366 233 475 213 280	28 11 15 20 2 7 28 11 34 9	121 57 122 118 19 27 75 39 86 82 25	96% 95% 95% 92% 99% 97% 92% 95% 95% 96% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267	28 11 15 20 2 7 28 11 34 9 11 21 29	121 57 122 118 19 27 75 39 86 82 25 76 49 62	96% 95% 95% 92% 99% 97% 92% 95% 95% 96% 96% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltp.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531	28 11 15 20 2 7 28 11 34 9 11 21 29 2	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143	96% 95% 95% 92% 99% 97% 92% 95% 95% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/mgrs.py pygeodesy/named.py pygeodesy/namedTuples.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143	96% 95% 92% 99% 97% 92% 95% 95% 96% 95% 95% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2	96% 95% 95% 92% 99% 97% 92% 95% 95% 95% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/osgr.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2	96% 95% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/osgr.py pygeodesy/points.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100	96% 95% 92% 99% 97% 92% 95% 95% 96% 95% 95% 95% 95% 95% 95% 95% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/osgr.py pygeodesy/points.py pygeodesy/props.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64	96% 95% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lcc.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/points.py pygeodesy/props.py pygeodesy/resections.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64	96% 95% 92% 99% 97% 92% 93% 96% 95% 95% 95% 95% 95% 95% 97% 100%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/points.py pygeodesy/props.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/auxpy	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 97% 93% 96% 97% 93% 96% 96% 96%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/points.py pygeodesy/props.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/auxpy pygeodesy/rhumb/bases.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/points.py pygeodesy/props.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/auxpy	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/mgrs.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/auxpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/rhumb/ekx.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71	96% 95% 92% 99% 97% 92% 93% 96% 95% 95% 95% 95% 95% 95% 95% 95% 95% 94% 96% 96% 96% 96% 97% 93% 98% 97%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/ktm.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/osgr.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/rhumb/solve.py pygeodesy/simplify.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/mgrs.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nvectorBase.py pygeodesy/points.py pygeodesy/props.py pygeodesy/rhumb/initpy pygeodesy/rhumb/auxpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/simplify.py pygeodesy/solveBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/mgrs.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/rops.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/rhumb/solve.py pygeodesy/solveBase.py pygeodesy/solveBase.py pygeodesy/solveBase.py pygeodesy/sphericalBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/rhumb/solve.py pygeodesy/solveBase.py pygeodesy/solveBase.py pygeodesy/sphericalBase.py pygeodesy/sphericalBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/namedTuples.py pygeodesy/points.py pygeodesy/rops.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/rhumb/solve.py pygeodesy/simplify.py pygeodesy/sphericalBase.py pygeodesy/sphericalNvector.py pygeodesy/sphericalTrigonometry.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71	96% 95% 92% 99% 97% 92% 93% 96% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lationBase.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/mgrs.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/noctorBase.py pygeodesy/points.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/_initpy pygeodesy/rhumb/auxpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalTrigonometry.py pygeodesy/streprs.py pygeodesy/streprs.py pygeodesy/striaxials.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lationBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/props.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/simplify.py pygeodesy/sphericalBase.py pygeodesy/sphericalTrigonometry.py pygeodesy/tri.py pygeodesy/tri.py pygeodesy/tri.py pygeodesy/tri.py pygeodesy/triaxials.py pygeodesy/triaxials.py pygeodesy/units.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lationBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/_initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/solveBase.py pygeodesy/sphericalBase.py pygeodesy/sphericalTrigonometry.py pygeodesy/triaxials.py pygeodesy/triaxials.py pygeodesy/triaxials.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 97% 93% 96% 95% 97% 93% 96% 95% 97% 93% 96% 95% 97% 93% 96% 95% 96% 95% 96% 95%
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/mamed.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nosgr.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalNvector.py pygeodesy/streprs.py pygeodesy/streprs.py pygeodesy/streprs.py pygeodesy/striaxials.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/katlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/nomedTuples.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalRase.py pygeodesy/sphericalTrigonometry.py pygeodesy/triaxials.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162 360	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5 33	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9 10 18	97% 96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/noetorBase.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/_initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/simplify.py pygeodesy/sphericalBase.py pygeodesy/sphericalTrigonometry.py pygeodesy/streprs.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/unitsBase.py pygeodesy/ups.py pygeodesy/utin.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162 360 259	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5 33 8	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9 10 18 21	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/noetorBase.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalRase.py pygeodesy/sphericalTrigonometry.py pygeodesy/streprs.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/units.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162 360	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5 33	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9 10 18	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 97% 93% 96% 94% 96% 94% 91% 93% 94% 95% 95% 97% 93%
pygeodesy/internals.py pygeodesy/interns.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lationBase.py pygeodesy/lazily.py pygeodesy/ltc.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/noints.py pygeodesy/props.py pygeodesy/resections.py pygeodesy/rhumb/_initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalTrigonometry.py pygeodesy/triaxials.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/units.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/utily.py pygeodesy/utily.py pygeodesy/utim.py pygeodesy/utmups.py pygeodesy/utmups.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162 360 259 87	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5 33 8 2	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9 10 18 21 13	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/interns.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/latlonBase.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/ltpTuples.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/noetorBase.py pygeodesy/points.py pygeodesy/resections.py pygeodesy/rhumb/initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/ekx.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalRase.py pygeodesy/sphericalTrigonometry.py pygeodesy/streprs.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/units.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162 360 259 87 269	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5 33 8 2	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9 10 18 21 13 29	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 97% 93% 96% 96% 96% 96% 96% 96% 96% 96% 96% 96
pygeodesy/heights.py pygeodesy/internals.py pygeodesy/iters.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/karney.py pygeodesy/lazily.py pygeodesy/lazily.py pygeodesy/ltp.py pygeodesy/ltp.py pygeodesy/named.py pygeodesy/named.py pygeodesy/namedTuples.py pygeodesy/noetorBase.py pygeodesy/points.py pygeodesy/rops.py pygeodesy/rhumb/_initpy pygeodesy/rhumb/bases.py pygeodesy/rhumb/bases.py pygeodesy/rhumb/solve.py pygeodesy/sphericalBase.py pygeodesy/sphericalTrigonometry.py pygeodesy/triaxials.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/units.py pygeodesy/triaxials.py pygeodesy/units.py pygeodesy/unitsBase.py	688 235 315 265 351 204 366 233 475 213 280 419 570 267 531 241 256 305 530 242 375 10 140 373 226 96 210 238 250 317 388 271 622 615 301 119 162 360 259 87 269 344	28 11 15 20 2 7 28 11 34 9 11 21 29 2 24 13 13 8 36 6 11 0 6 24 4 7 2 20 14 28 26 15 28 34 13 6 5 33 8 2 5 8	121 57 122 118 19 27 75 39 86 82 25 76 49 62 143 2 33 65 100 64 60 0 2 116 46 71 3 40 11 38 71 19 62 46 12 9 10 18 21 13 29 25	96% 95% 92% 99% 97% 92% 95% 95% 95% 95% 95% 95% 95% 95% 95% 95

190

27596

6

1390

9

5123

99%

97%

95%

pygeodesy/wgrs.py

Total