

	Comparison of all 500K <u>GeoidHeights.dat.gz</u> tests for 2 PyGeodesy interpolators <b>GeoidKarney</b> (Karney's C++ class <code>Geoid</code> transcoded to Python) and <b>GeoidPGM</b> (based on SciPy/NumPy cubic RectBivariateSpline).			
	<b>pygeodesy.GeoidKarney</b>			
	<b><i>egm2008-1.pgm</i></b>	<b><i>egm96-5.pgm</i></b>	<b><i>egm84-15.pgm</i></b>	
<b>Max Epsilon*</b>	0.002	0.003	0.017	meter
Python 2.7.16	263.259	261.003	278.959	secs**1
Python 3.7.2	148.373	150.067	153.365	secs**1
Python 3.8.10	48.406	47.955	46.147	secs**2
Python 3.9.6	137.616	82.536	76.668	secs**3
Python 3.10.1	26.624	26.355	24.795	secs**4
PyPy 6 / 2.7.13	67.497	67.611	59.374	secs**1
PyPy 6 / 3.5.3	88.427	83.209	70.575	secs**1
	<b>pygeodesy.GeoidPGM</b>			
	<b><i>egm2008-1.pgm</i></b>	<b><i>egm96-5.pgm</i></b>	<b><i>egm84-15.pgm</i></b>	
<b>Max Epsilon*</b>	0.011	0.018	0.023	meter
Python 2.7.16	121.390***	49.753	48.561	secs**1
Python 3.7.2	113.012***	40.963	38.983	secs**1
	*) <b>Max Epsilon</b> is the maximum difference between the PyGeodesy height and the original <i>GeoidHeights.dat</i> height.			
	**1) Run times for Python 2.7.16, 3.7.2 and PyPy 6 on macOS 10.13.6 High Sierra and iMac, 12 GB, 3 GHz Core i3, all in 64-bit only.			
	**2) Run times for Python 3.8.10 on macOS 12.1 Monterey and MacBook Air (M1, 2020), 16 GB, Apple M1 Silicon, Intel emulation in 64-bit.			
	**3) Run times for Python 3.9.6 on macOS 10.16 Big Sur (aka11.6.1) and MacBook Air (Retina 2020), 16 GB, 1.2 GHz Quad-Core i7 in 64-bit.			
	**4) Run times for Python 3.10.1 on macOS 12.1 Monterey and MacBook Air (M1, 2020), 16 GB, Apple M1 Silicon, 64-bit natively.			
	***) Includes a 65+ secs delay to load the 466 MB+ <b>egm2008-1.pgm</b> file into SciPy/NumPy and convert 233 M+ 2-byte <i>ushorts</i> to 8-byte <i>float64s</i> .			