

On the geoid“quasigeoid separation in mountain area

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The effect of EGM2008-based normal, normal-orthometric and Helmert orthometric height systems on the Australian levelling network. <i>Journal of Geodesy</i> , 2010, 84, 501-513.	3.6	43
2	A strict formula for geoid-to-quasigeoid separation. <i>Journal of Geodesy</i> , 2010, 84, 699-702.	3.6	37
3	Refining geoid and vertical gradient of gravity anomaly. <i>Geodesy and Geodynamics</i> , 2011, 2, 1-9.	2.2	9
4	On the computation of the geoid-quasigeoid separation. <i>Journal of Geodesy</i> , 2011, 85, 185-186.	3.6	2
5	Application of Molodensky's Method for Precise Determination of Geoid in Iran. <i>Journal of Geodetic Science</i> , 2011, 1, .	1.0	1
6	Comparisons of geoid models over Alaska computed with different Stokes' kernel modifications. <i>Journal of Geodetic Science</i> , 2011, 1, .	1.0	8
7	A conventional approach for comparing vertical reference frames. <i>Journal of Geodetic Science</i> , 2012, 2, 319-324.	1.0	1
8	Efficient and accurate high-degree spherical harmonic synthesis of gravity field functionals at the Earth's surface using the gradient approach. <i>Journal of Geodesy</i> , 2012, 86, 729-744.	3.6	48
9	The geoid-to-quasigeoid difference using an arbitrary gravity reduction model. <i>Studia Geophysica Et Geodaetica</i> , 2012, 56, 929-933.	0.5	13
10	Quasigeoid-to-geoid determination by EGM08. <i>Earth Science Informatics</i> , 2012, 5, 87-91.	3.2	16
11	Estimation of the zero-height geopotential level $W_0$ LVD in a local vertical datum from inversion of co-located GPS, leveling and geoid heights: a case study in the Hellenic islands. <i>Journal of Geodesy</i> , 2012, 86, 423-439.	3.6	38
12	On the spherical and spheroidal harmonic expansion of the gravitational potential of the topographic masses. <i>Journal of Geodesy</i> , 2013, 87, 909-921.	3.6	18
13	Confirming regional 1 cm differential geoid accuracy from airborne gravimetry: the Geoid Slope Validation Survey of 2011. <i>Journal of Geodesy</i> , 2013, 87, 885-907.	3.6	47
14	Regional Gravity Field Modeling: Theory and Practical Results. , 2013, , 185-291.		58
15	Geoid-to-Quasigeoid Separation Computed Using the GRACE/GOCE Global Geopotential Model GOCO02S - A Case Study of Himalayas and Tibet. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013, 24, 59.	0.6	11
16	The apparent British sea slope is caused by systematic errors in the levelling-based vertical datum. <i>Geophysical Journal International</i> , 2013, 194, 772-786.	2.4	21
17	Estudo das correções gravimétricas para altitudes físicas aplicadas aos desníveis da RAAP. <i>Boletim De Ciencias Geodesicas</i> , 2013, 19, 472-497.	0.3	2
18	Comparison Among Three Harmonic Analysis Techniques on the Sphere and the Ellipsoid. <i>Journal of Applied Geodesy</i> , 2014, 8, 1-20.	1.1	12

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19	Study of geoidâ€“quasigeoid separation obtained from terrestrial gravity data and two geopotential models. <i>Arabian Journal of Geosciences</i> , 2014, 7, 4279-4290.	1.3	0
20	Regional geoid modeling in the area of subglacial Lake Vostok, Antarctica. <i>Journal of Geodynamics</i> , 2014, 75, 9-21.	1.6	12
21	Local earth gravity/potential modeling using ASCH. <i>Arabian Journal of Geosciences</i> , 2015, 8, 8681-8685.	1.3	5
22	Spatial and Spectral Representations of the Geoid-to-Quasigeoid Correction. <i>Surveys in Geophysics</i> , 2015, 36, 627-658.	4.6	21
23	Calculation of geoidâ€“quasigeoid separation using the solution of Laplaceâ€™s equation by finite difference methodâ€”examples from Iran. <i>Arabian Journal of Geosciences</i> , 2015, 8, 1513-1520.	1.3	2
24	On the spectral combination of satellite gravity model, terrestrial and airborne gravity data for local gravimetric geoid computation. <i>Journal of Geodesy</i> , 2016, 90, 1405-1418.	3.6	24
25	Contribution of mass density heterogeneities to the quasigeoid-to-geoid separation. <i>Journal of Geodesy</i> , 2016, 90, 65-80.	3.6	23
26	The evaluation of the geoidâ€“quasigeoid separation and consequences for its implementation. <i>Acta Geodaetica Et Geophysica</i> , 2016, 51, 451-466.	1.6	2
27	Effect of the Earth's inner structure on the gravity in definitions of height systems. <i>Geophysical Journal International</i> , 2017, , ggx024.	2.4	2
28	Comparison of different methods for estimating the geoid-to-quasi-geoid separation. <i>Geophysical Journal International</i> , 2017, 210, 1001-1020.	2.4	18
29	Effect of the Mean Dynamic Topography on the Geoid-to-Quasigeoid Separation Offshore. <i>Marine Geodesy</i> , 2018, 41, 368-381.	2.0	5
30	Forward modelling of global gravity fields with 3D density structures and an application to the high-resolution (~2km) gravity fields of the Moon. <i>Journal of Geodesy</i> , 2018, 92, 847-862.	3.6	17
31	IRG2016: RBF-based regional geoid model of Iran. <i>Studia Geophysica Et Geodaetica</i> , 2018, 62, 380-407.	0.5	8
32	On the geoid and orthometric height vs. quasigeoid and normal height. <i>Journal of Geodetic Science</i> , 2018, 8, 115-120.	1.0	4
33	Colorado geoid modeling at the US National Geodetic Survey. <i>Journal of Geodesy</i> , 2020, 94, 1.	3.6	10
34	Centimeter Precision Geoid Model for Jeddah Region (Saudi Arabia). <i>Remote Sensing</i> , 2020, 12, 2066.	4.0	7
35	Towards an International Height Reference System: insights from the Colorado geoid experiment using AUSGeoid computation methods. <i>Journal of Geodesy</i> , 2020, 94, 1.	3.6	7
36	Towards the Realization of the International Height Reference Frame (IHRF) in Argentina. <i>International Association of Geodesy Symposia</i> , 2020, , 11-20.	0.4	5

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37	The effect of anomalous global lateral topographic density on the geoid-to-quasigeoid separation. Journal of Geodesy, 2021, 95, 1.	3.6	8
38	Strategy for the realisation of the International Height Reference System (IHRs). Journal of Geodesy, 2021, 95, 1.	3.6	33
39	A high-resolution gravimetric geoid model for Kingdom of Saudi Arabia. Survey Review, 0, , 1-16.	1.2	8
40	Local Geoid Determination. , 2016, , 1-10.		2
41	Combination of Geometric and Orthometric Heights in the Presence of Geoid and Quasi-geoid Models. International Association of Geodesy Symposia, 2014, , 235-239.	0.4	1
42	Gravimetric geoid modeling from the combination of satellite gravity model, terrestrial and airborne gravity data: a case study in the mountainous area, Colorado. Earth, Planets and Space, 2020, 72, .	2.5	12
43	Further Tools in Physical Geodesy. , 2017, , 203-245.		0
44	ON THE COMPUTATION OF A PRECISE GEOID “ TO “ QUASIGEOID SEPARATION. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4/W4, 489-496.	0.2	0
45	Integration of satellite geodetic observations for regional geoid modeling using remove-compute-restore technique. Earth Science Informatics, 2022, 15, 233-251.	3.2	4
46	Colorado geoid computation experiment: overview and summary. Journal of Geodesy, 2021, 95, 1.	3.6	36
47	Orthometric, normal and geoid heights in the context of the Brazilian altimetric network. Boletim De Ciencias Geodesicas, 2022, 28, .	0.3	1
48	Comparison between orthometric, normal and spheroidal orthometric heights over South Africa. Applied Geomatics, 0, , .	2.5	0
49	THE SPATIAL AGE AND THE NEW PARADIGMS IN GEODESY: IMPLICATIONS FOR SURVEYING AND MAPPING IN BRAZIL. Revista Brasileira De Cartografia, 2012, 64, .	0.2	0
50	Molodensky’s Theory and Beyond. Springer Textbooks in Earth Sciences, Geography and Environment, 2023, , 321-393.	0.3	0
51	Investigating the Congruence between Gravimetric Geoid Models over India. Journal of Surveying Engineering, - ASCE, 2023, 149, .	1.7	0
52	Determining the new height of Mount Qomolangma based on the International Height Reference System. Geo-Spatial Information Science, 0, , 1-10.	5.3	0
53	Normal Gravity. Encyclopedia of Earth Sciences Series, 2023, , 1-4.	0.1	0
54	Accurate computation of geoid-quasigeoid separation in mountainous region “ “ A case study in Colorado with full extension to the experimental geoid region. Journal of Geodetic Science, 2023, 13, .	1.0	1

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55	On the Consistency between a Classical Definition of the Geoid-to-Quasigeoid Separation and Helmert Orthometric Heights. <i>Sensors</i> , 2023, 23, 5185.	3.8	0
56	A general model of RCR modification and its geoid determination. <i>Survey Review</i> , 2024, 56, 200-210.	1.2	1
57	Geoid Studies in Two Test Areas in Greece Using Different Geopotential Models towards the Estimation of a Reference Geopotential Value. <i>Remote Sensing</i> , 2023, 15, 4282.	4.0	0
58	The Accuracy Assessment of Lithospheric Density Models. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 10432.	2.5	0
59	Regional Gravity Field Modeling Using Band-Limited SRBFs: A Case Study in Colorado. <i>Remote Sensing</i> , 2023, 15, 4515.	4.0	1
60	Development of the National Gravimetric Geoid Model for the Kingdom of Saudi Arabia. <i>International Association of Geodesy Symposia</i> , 2023, , .	0.4	1
61	Computation of gravimetric geoid model using free air vertical gravity gradient anomaly in geoid-quasigeoid formula. <i>Journal of Applied Geophysics</i> , 2024, 220, 105277.	2.1	0
62	Determination of the Geoidâ€™Quasigeoid Separation Using GGI Method. <i>Remote Sensing</i> , 2024, 16, 816.	4.0	0