

Books on Map Projections on the Internet

In this review the attention will be drawn to some books on map projections which had been printed first and then digitized and uploaded to the web. Some of these books are offered on the web as Google e-books. For years, Google has been collecting books whose copyrights have been expired and digitizing them. Each page is photographed and joined into one big photograph from which the text is extracted by the OCR software.

Google keeps the original digital photograph in its archive and converts the extracted text into HTML, PDF or EPUB file format. Today Google offers more than a million free e-books (<http://www.google.com/books>).

We have found six Google e-books on map projections on the web whose complete texts are available. Since the internet addresses of these books are quite long we will not list them here. It is simpler to write down the first few words of the book's headline in quotation marks in the *Google Books* browser. If we limit ourselves on English and German language and write "map projections" or "kartographische abbildungen" in the browser, a large number of books will be displayed, of which, for some of them, there is a review of explicit number of pages (short review) while for many more of them not even that (without abstract). We have found complete texts of these books:

Bureau of Navigation (1869): Projection Tables for the Use of the United States Navy Comprising A New Table of Meridional Parts for the Mercator Projection... Government Printing Office, Washington.

De Morgan, A. (1836): An Explanation of the Gnomonic Projection of the Sphere;....Baldwin and Cradock, London.

Department of the Army (1967): Grids and Grid References. United States Headquarters, Department of the Army.

Snyder, J. P. (1987): Map Projections – A Working Manual. U. S. Geological Survey, Professional paper 1395, Washington.

Snyder, J. P., Steward, H. (1988): Bibliography of map projections, U. S. Geological Survey Bulletin 1856.

Spilhaus, A. (1991): Atlas of the World – Geophysical Boundaries – Ocean, Continents and Tectonic Plates in their Entirety. American Philosophical Society, Philadelphia.

The book *Map Projections – A Working Manual* by J. P. Snyder has been uploaded to the web by U. S. Geological Survey (USGS) as well (<http://pubs.usgs.gov/pp/1395/report.pdf>). USGS has also uploaded the following book:

Snyder, J. P., Voxland, M. P. (1989): Album of Map Projection, U. S. Geological Survey, Professional Paper 1453 (<http://pubs.usgs.gov/pp/1453/report.pdf>).

Some of the valuable books on map projections have been uploaded for free by some other institutions:

Anoni, A., Luzet, C., Gubler, E., Ihde, J. (Eds.) (2003): Map projections for Europe. Institute for Environment and Sustainability, European Communities. <http://www.ec-gis.org/sdi/publist/pdfs/annoni-et-al2003eur.pdf>

Hager, J. W., Behensky, J. F., Drew, B. W. (1989): The universal grids: Universal Transverse Mercator (UTM) and Universal Polar Stereographic (UPS). Tech. Rep. TM 8358.2, Defense Mapping Agency. http://earth-info.nga.mil/GandG/publications/tm8358.2/TM8358_2.pdf

Krüger, J. H. L. (1912): Konforme Abbildung des Erdellipsoids in der Ebene. New Series 52. Royal Prussian Geodetic Institute, Potsdam. <http://bib.gfz-potsdam.de/pub/digi/krueger2.pdf>

Thomas, P. D. (1952): Conformal projections in geodesy and cartography. Special Publication 251. US Coast and Geodetic Survey. http://docs.lib.noaa.gov/rescue/cgs_specpubs/QB275U35no2511952.pdf

There are available doctoral dissertations from the field of map projections:

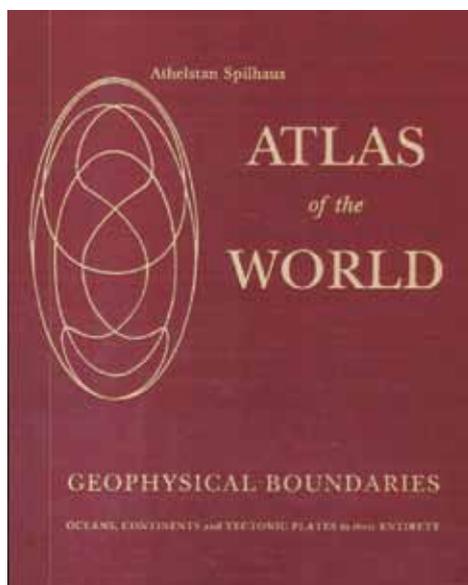
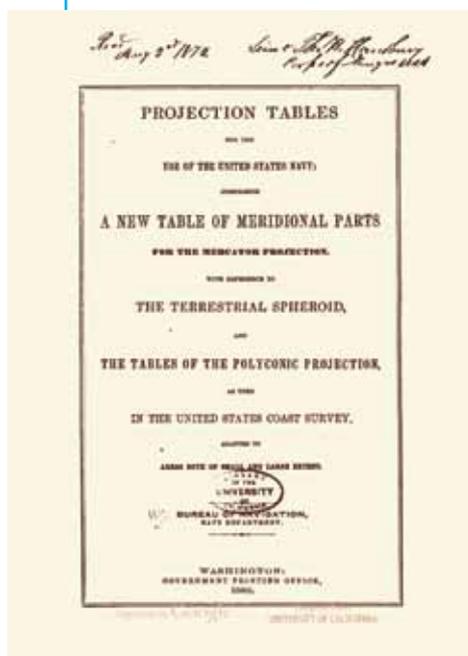
Frankich, K. (1982): Optimization of geographic map projections for Canadian territory. Simon Fraser University, Vancouver. <http://summit.sfu.ca/item/4135>

Tobler, W. R. (1961): Map transformation of geographic space. University of Washington, Seattle.

http://www.geog.ucsb.edu/~tobler/publications/pdf_docs/cartography/projections/cartograms/Transformations.pdf

Tutić, D. (2008): Stereographic and other conforming projections for Croatia (in Croatian). University of Zagreb, Faculty of Geodesy, Zagreb. http://bib.irb.hr/datoteka/425256.Tutic_Drazen_disertacija.pdf

Nedjeljko Frančula



Knjige o kartografskim projekcijama na internetu

U ovom prikazu skrećemo pozornost na neke knjige o kartografskim projekcijama koje su prvobitno objavljene u tisku, a potom digitalizirane i besplatno stavljene na mrežu. Neke od tih knjiga nude se na mreži kao Google e-knjige. Google godinama skuplja knjige kojima su istekla autorska prava i digitalizira ih. Fotografira se svaka stranica te zatim spaja u jednu veliku fotografiju iz koje se izvlači tekst softverom OCR. Google čuva originalnu digitalnu fotografiju u svom arhivu, a izvučeni tekst pretvara u formate HTML, PDF ili EPUB. Google danas nudi više od milijun besplatnih e-knjiga (<http://www.google.com/books>).

Na mreži smo pronašli šest Google e-knjiga o kartografskim projekcijama kojima su dostupni cjeloviti tekstovi. Budući da su internetske adrese tih knjiga vrlo dugačke, ne navodimo ih. Jednostavnije je u polje za pretraživanje *Google Booksa* upisati pod navodnicima prvih nekoliko riječi iz naslova knjige. Ograničimo li se na engleski i njemački jezik i upišemo li se u polje za pretraživanje "map projections" ili "kartografske abbildungen" prikazat će se naslovi velikog broja knjiga, od kojih za neke postoji prikaz samo određenog broja stranica (Skraćeni prikaz), a za mnoge od njih niti to (Bez pregleda). Cjelovite tekstove pronašli smo za ove knjige:

Bureau of Navigation (1869): Projection Tables for the Use of the United States Navy Comprising A New Table of Meridional Parts for the Mercator Projection... Government Printing Office, Washington.

De Morgan, A. (1836): An Explanation of the Gnomonic Projection of the Sphere;... Baldwin and Cradock, London.

Department of the Army (1967): Grids and Grid References. United States Headquarters, Department of the Army.

Snyder, J. P. (1987): Map Projections – A Working Manual. U. S. Geological Survey, Professional paper 1395, Washington.

Snyder, J. P., Steward, H. (1988): Bibliography of map projections, U. S. Geological Survey Bulletin 1856.

Spilhaus, A. (1991): Atlas of the World – Geophysical Boundaries – Ocean, Continents and Tectonic Plates in

their Entirety. American Philosophical Society, Philadelphia.

Knjigu *Map Projections – A Working Manual* J. P. Snydera stavio je na mrežu i U. S. Geological Survey (USGS) (<http://pubs.usgs.gov/pp/1395/report.pdf>). USGS je stavio na mrežu i knjigu:

Snyder, J. P., Voxland, M. P. (1989): Album of Map Projection, U. S. Geological Survey, Professional Paper 1453 (<http://pubs.usgs.gov/pp/1453/report.pdf>).

Neke od vrijednih knjiga o kartografskim projekcijama stavile su besplatno na mrežu i druge institucije:

Anoni, A., Luzet, C., Gubler, E., Ihde, J. (Eds.) (2003): Map projections for Europe. Institute for Environment and Sustainability, European Communities. <http://www.ec-gis.org/sdi/publist/pdfs/annoni-et-al2003eur.pdf>

Hager, J. W., Behensky, J. F., Drew, B. W. (1989): The universal grids: Universal Transverse Mercator (UTM) and Universal Polar Stereographic (UPS). Tech. Rep. TM 8358.2, Defense Mapping Agency. http://earth-info.nga.mil/GandG/publications/tm8358.2/TM8358_2.pdf

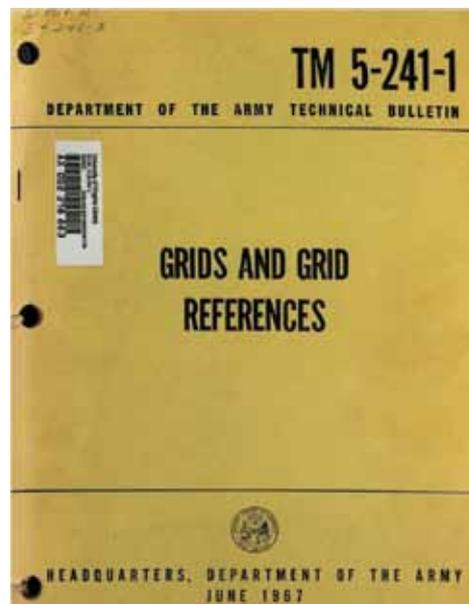
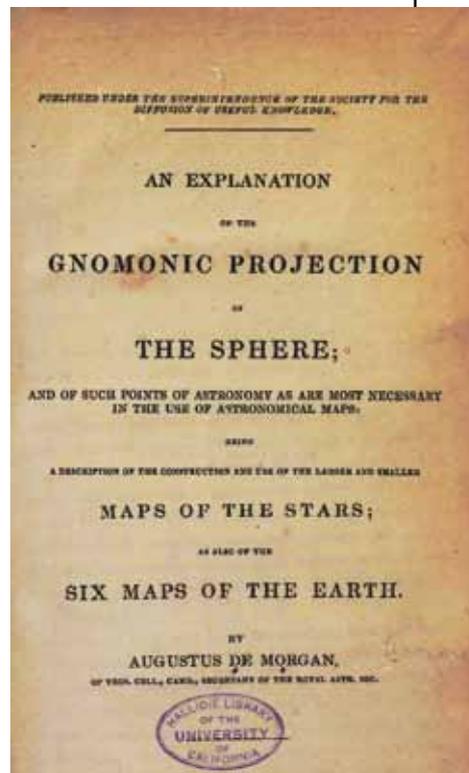
Krüger, J. H. L. (1912): Konforme Abbildung des Erdellipsoids in der Ebene. New Series 52. Royal Prussian Geodetic Institute, Potsdam. <http://bib.gfz-potsdam.de/pub/digi/krueger2.pdf>

Thomas, P. D. (1952): Conformal projections in geodesy and cartography. Special Publication 251. US Coast and Geodetic Survey. http://docs.lib.noaa.gov/rescue/cgs_specpubs/QB275U35no2511952.pdf

Na mreži su dostupne i doktorske disertacije iz područja kartografskih projekcija:

Frankich, K. (1982): Optimization of geographic map projections for Canadian territory. Simon Fraser University, Vancouver. <http://summit.sfu.ca/item/4135>

Tobler, W. R. (1961): Map transformation of geographic space. University of Washington, Seattle. http://www.geog.ucsb.edu/~tobler/publications/pdf_docs/cartography/projections/cartograms/Transformations.pdf



Tutić, D. (2008): Stereografska i druge konformne projekcije za Hrvatsku. Sveučilište u Zagrebu, Geodetski fakultet, Zagreb. http://bib.irb.hr/datoteka/425256.Tutic_Drazen_disertacija.pdf

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