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Map Projections Poster - USGS

The Florence Bascom Geoscience Center (FBGC) is at the leading edge of scientific research addressing critical societal issues and providing unbiased data and information to decision makers and the public. Our research center is built around five broad science themes: Paleoclimate & Paleoecology, Landscape Science, Geologic Mapping, Hazards, and Special Geologic Studies.

How are different map projections used? - USGS

A map projection is used to portray all or part of the round Earth on a flat surface. This cannot be done without some distortion. Every projection has its own set of advantages and disadvantages. There is no "best" projection. The mapmaker must select the one best suited to the needs, reducing distortion of the most important features.

Map projections: A working manual - USGS

CEGIS research in map projections began with problems of commercial projection software in handling raster data projection for global modeling applications. With pixel sizes of 1 km or larger, raster cells cannot be treated as points in the transformations. This work led to the USGS implementing the mapping projections package for raster data.

pubs.er.usgs.gov

Map Projections: A Reference Manual [Bugayevskiy; L M] on Amazon.com. *FREE* shipping on qualifying offers. Map projection concerns the science of mathematical cartography, the techniques by which the Earth's dimensions

Map Projections Usgs

The USGS has also conceived and designed several new projections, including the Space Oblique Mercator, the first map projection designed to permit mapping of the Earth continuously from a satellite with low distortion. The mapping of extraterrestrial bodies has resulted in the use of standard projections in completely new settings.

Map Projections - ICSM

After decades of using only one map projection, the Polyconic, for its mapping program, the U.S. Geological Survey (USGS) now uses several of the more common projections for its published maps. For larger scale maps, including topographic quadrangles and the State Base Map Series, conformal projections such as the Transverse Mercator and the Lambert Conformal Conic are used.

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List of map projections - Wikipedia

A map projection is a way to flatten a globe's surface into a plane in order to make a map. This requires a systematic transformation of the latitudes and longitudes of locations from the surface of the globe into locations on a plane. All projections of a sphere on a plane necessarily distort the surface in some way and to some extent.

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This is a summary of map projections that have articles of their own on Wikipedia or that are otherwise notable. Because there is no limit to the number of possible map projections, there can be no comprehensive list.

An album of map projections - USGS

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Map projections used by the U.S. Geological Survey

Part or all of this report is presented in Portable Document Format (PDF). For best results viewing and printing PDF documents, it is recommended that you download the documents to your computer and open them with Adobe Reader.

Map Projections: A Working Manual (U.S. Geological Survey ...

John Parr Snyder (12 April 1926 – 28 April 1997) was an American cartographer most known for his work on map projections for the United States Geological Survey (USGS). Educated at Purdue and MIT as a chemical engineer, he had a lifetime interest in map projections as a hobby, but found the calculations tedious without the benefit of expensive calculators or computers.

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Map projections used by the U.S. Geological Survey After decades of using only one map projection, the Polyconic, for its mapping program, the U.S. Geological Survey (USGS) now uses sixteen of the more common map projections for its published maps.

Florence Bascom Geoscience Center - USGS

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John P. Snyder - Wikipedia

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Map projection - Wikipedia

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