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REFLECTANCE AND ALBEDO,
SURFACE - Judith Curry Albedo is
the percentage of solar energy
striking a surface that is reflected
away from the earth. Surface
Reflectance is ratio of the amount
light not absorbed by a surface to
the amount of light striking the
surface. Albedo is a measure of
energy and Surface Reflectance is
a property of a material.

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REFLECTANCE AND ALBEDO,
SURFACE J A Coakley, Oregon
State University, Corvallis, OR,
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Introduction ' Albedo ' is Latin,
meaning whiteness. The albedo of a
surface is the fraction of the
incident sunlight that the surface
reflects. Radiation that is not
reflected is absorbed by the
surface.

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The surface albedo is a key
ingredient in the remote sensing of
surface and atmospheric
properties from space. The
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- Reflectance is defined for an interface of two media while albedo is defined for a surface.

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between the surface and the
lowest layer of the atmosphere.

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ingredient in the remote sensing of
surface and atmospheric
properties from space. The

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- Reflectance is defined for an interface Page 5/27

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Get Free Reflectance And Albedo Surface Judith Curry user interface of the site overall.

Reflectance And Albedo Surface Judith the surface temperature, evaporates water, melts and sublimates snow and ice, and energizes the turbulent heat exchange between the surface and the lowest layer of the atmosphere. The Page 4/28

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What is the difference between albedo and reflectance? •

Reflectance is defined for an interface of two media while albedo is defined for a surface. •

Reflectance depends on the medium of the incident wave, but albedo does not depend on the

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medium of the incident ray. • The reflectance may depend on the depth of the surface but albedo does not.

Difference Between Albedo and Reflectance | Compare the ...

Albedo is: The fraction of the total light striking a surface that gets reflected from that surface. An object that has a high albedo (near 1) is very bright; an object that has a low albedo (near 0) is dark. The Earth's albedo is about 0.37. The Moon's is about 0.12. Reflected shortwave radiation is measured in Energy units.

What is the difference between reflectivity and albedo

The Albedo Effect and the Reflectance of Solar Heat. A

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measure of the reflectivity of a surface is called albedo, and when applied in Earth-sciences, albedo is a measure of the reflectivity of the Earth ' s surface in relation to Sun ' s energy. When some of the Sun ' s energy is reflected back into space by surfaces on Earth, it has an overall cooling effect on the Earth (G.P. Wayne, 2016).

The Albedo Effect and the Reflectance of Solar Heat ... reflectance and albedo surface judith curry, but end in the works in harmful downloads. Rather than enjoying a good book afterward a cup of coffee in the afternoon, then again they juggled taking into account some harmful virus inside their computer. reflectance and albedo surface judith curry is user-

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The reflecting power of a surface is known as ' albedo ' . Bright snow and ice have a high albedo, meaning they reflect solar radiation back into space, while green areas like forests and fields have a much lower albedo. Albedo over UK and Ireland The lower the albedo, the more energy from the Sun is absorbed.

ESA - Reflecting on Earth ' s albedo
Abstract Satellite-based retrievals
of land surface albedo at 20-m
resolution are generated by
coupling the surface reflectances
from the recently launched
Sentinel-2A satellite with surface

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anisotropy information (as described by Bidirectional Reflectance Distribution Function, BRDF) from either the MODerate-resolution Imaging Spectroradiometer (MODIS) or the Visible Infrared Imaging ...

Preliminary assessment of 20-m surface albedo retrievals ...

Albedo is the measure of the diffuse reflection of solar radiation out of the total solar radiation and measured on a scale from 0, corresponding to a black body that absorbs all incident radiation, to 1, corresponding to a body that reflects all incident radiation. Surface albedo is defined as the ratio of radiosity to the irradiance received by a surface. The proportion reflected is not only

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determined by properties of the surface itself, but also by the spectral and angular distribution of so

Albedo - Wikipedia

Albedo is an app designed to measure the albedo (or reflectance) of a surface. Albedo is simply defined as the ratio of light reflected from a surface to the light incident upon the surface. The...

Albedo: A Reflectance App - Apps on Google Play

Reflectance spectra of the surface of comet 67P measured from 0.2 to 5.1 μm by the Visual InfraRed Thermal Imaging Spectrometer (VIRTIS) (Coradini et al., 2007) on board Rosetta revealed a

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geometric albedo of about 6 % at 0.55 μm (Ciarniello et al., 2015), a moderate red slope

Visible and Near-Infrared Reflectance of Hyperfine and ... Albedo is an app designed to measure the albedo (or reflectance) of a surface. Albedo is simply defined as the ratio of light reflected from a surface to the light incident upon the surface. The albedo of a surface can be easily interpreted as the percent of incident light reflected by the surface (e.g. Albedo of fresh snow ~ 90%; Albedo of asphalt ~ 10%).

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Exploration in Arid and Semiarid

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