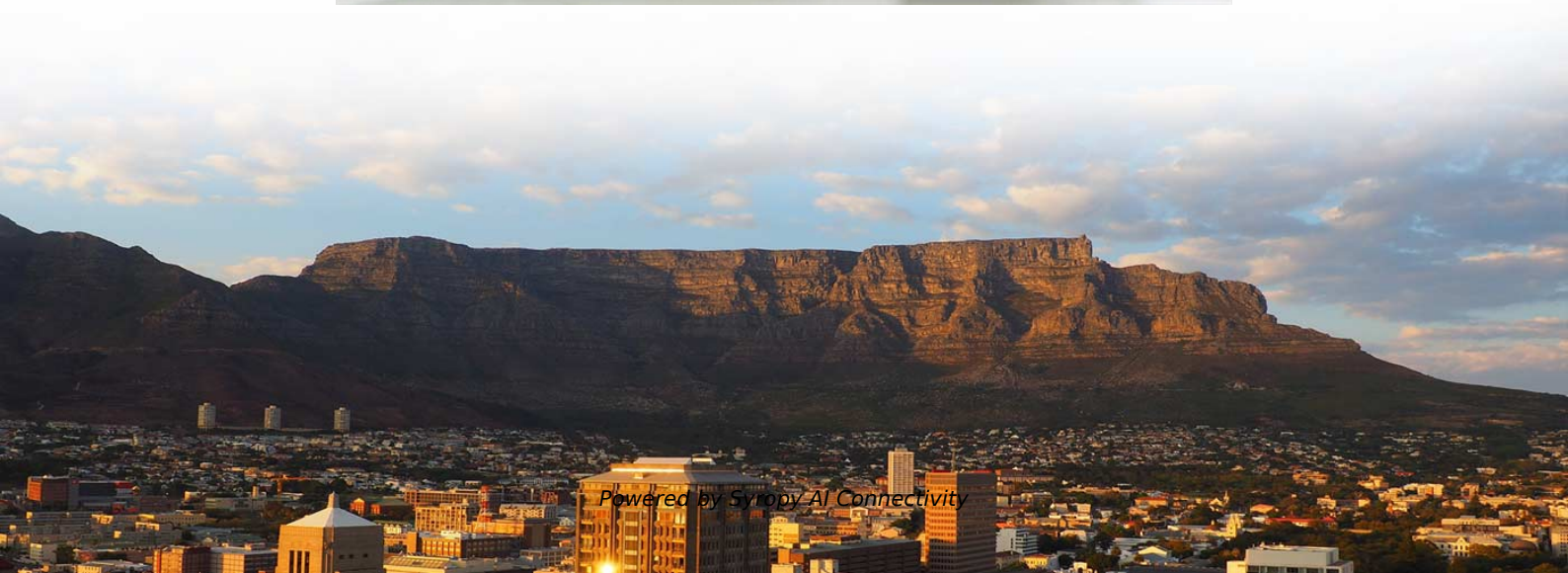


Introducing the curvature radius of the optical cable





Introducing the curvature radius of the optical cable

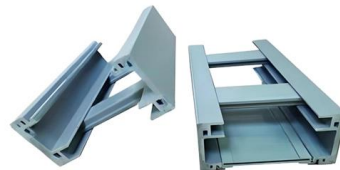


Why do clouds appear white while sky appears blue?

Why do clouds appear white while sky appears blue? Scattering of light depends on the size of particles responsible for scattering. The droplets in the clouds are big compared to the wavelength of light, so

Why sky is blue?

Why sky is blue? Sky appears blue because sunlight is scattered in the earth's atmosphere and out of all wavelengths, blue one is scattered the most. During sunset and sunrise, the angle of incidence of



Why does the sky appear black to an astronaut instead of blue?

On Earth, the sky appears blue to us because the tiny particles present in the atmosphere scatter the blue colour from the incoming sunlight. However, when an astronaut is in outer space, there is no

Scattering of light

Why Is the Colour of the Clear Sky Blue? And Why Are the Clouds White? Molecules with a larger size than the wavelength of light experience the scattering effect differently; the phenomenon is known as



Atmospheric Optical Phenomena Definition

Atmospheric optics is the scientific study and explanation of the unique and stunning optical effects in the sky. It encompasses the principles of physics that help answer common questions like why the



Why does bluish colour predominate in a sky?

Assertion : Bluish colour predominates in a clear sky, since blue has a shorter wavelength and is scattered strongly. Reason: Blue has the shortest wavelength among all colours.



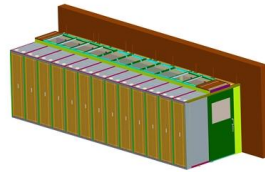
Some Natural Phenomena Due To Sunlight

Blue Sky It is normal to say that the sky appears blue in colour. Have you ever thought about why it appears blue? When sunlight enters the Earth's atmosphere, it gets scattered by the atmospheric



What is the Tyndall Effect?

Generally, blue light is scattered to a greater extent when compared to red light. This is because the wavelength of blue light is smaller than that of red light. This is the reason why the smoke released



At noon, when sun is overhead, as the distance is too small why sky

Q. Explain why, when the sun is overhead at noon, it appears white, but when the same sun is near the horizon at sunset, it appears red. Q. What is meant by scattering of light? Use this phenomenon to

Sunlight: A Mixture of Colours

Why Does the Sunlight Appear Red, Orange or Yellow? When the sun rays enter the earth, they get distorted by the earth's atmosphere including air molecules, dust and smoke. We know that different



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