

# Parabolic Reflectors and Solar Energy

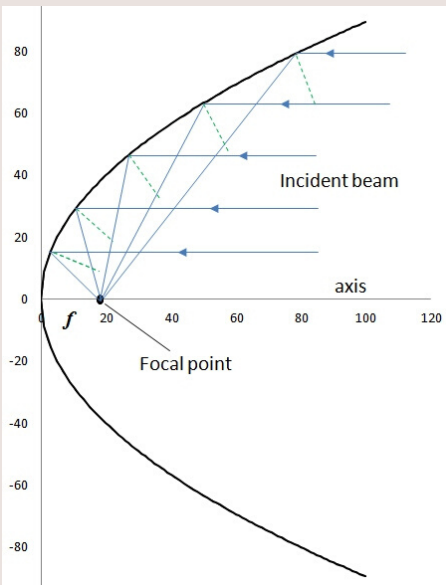
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Parabolic geometry is the basis for such concentrating solar power (CSP) technologies as troughs or dishes.

Through parabolic reflectors, intense heat or light can be obtained by focusing the sun's rays on a single point. Water can be heated by this method with solar energy. Sun rays coming from the top are directed to a heat reflective parabola with a mirror. The mirrors move with an electronic device, constantly facing the sun. Sun rays hitting the parabola turn to the focal point. In this way, the water pipe passing through the focus point gets hot.



*Geometry of a parabolic reflector. All rays parallel to the parabola axis are reflected through the focal point.*

