AUTOMATIC HEAD LIGHT FOCAL ADJUSTMENT DEPEND ON STEERING ANGLE

Synopsis

A **headlamp** is a lamp, usually attached to the front of a vehicle such as a car, with the purpose of illuminating the road ahead during periods of low visibility, such as darkness or precipitation. Headlamp performance has steadily improved throughout the automobile age, spurred by the great disparity between daytime and nighttime traffic fatalities

Head light is the main part of an every automobile, right now power of an head light will goes from 60Watts to 100 watts but one thing is that there is a focus problem while turn in hair pin bends, in order to rectify this problem we made a project on head light focal adjustment depend on steering angle

Now days all the vehicle are having fixed type head light system so these head light produce the straight focus on hair pin bends, so we cannot find out the condition of the road, in order to solve the problem a kinematics link is taken from a steering box and connected with the head light, so head will turn as per the steering angle, so we can find the condition of road when a steering is turned.

Advantage

1) focal of light as per steering angle

2) Accident will be avoided due wrong focus

Disadvantage

1) implementation in older vehicle is tough

