Second International Undergraduate Research Conference, IUGRC

Military Technical College, Cairo, Egypt July 24 –27, 2017



079-LOP

Polarization of Light for Safe Driving

Eslam Mohamed Soliman

3rd Year Mechanical Power Engineering Student, Zagazig University, Egypt
mheader73@gmail.com, islam175765@eng.zu.edu.eg
Supervisor: Prof. Dr. Ahmed Farouk AbdelGawad
Mechanical Power Engineering Dept., Vice Dean for Graduate Studies and Research, Zagazig University, Egypt,
afaroukgb@gmail.com

All over the world, more than one million person die and 20-50 million persons are injured every year because of the night driving problems; a lot of accidents, destruction, losses in lives and money. Now in the 21th century, while all the world is searching for safety and comfort, we need to make night driving easier, safer, and more comfort by relying on science and engineering. The objective of this study is to block the light coming from the cars in the opposite direction. This blockage helps the driver to see the road and surroundings clearly by the light of his car only. Approximately, there will be no distraction from the light of other cars.