

1135-N5-3139 **Malgorzata A Marciniak*** (mmarciniak@lagcc.cuny.edu), 4266 Phlox Place, Apt C7,
Flushing, NY 11355. *Student work on flexible solar panels for NASA geostationary satellites.*

The topic grew from research projects mentored at LaGuardia Community College. We analyze the dimensions of the cylindrical solar panels placed hypothetically on the NASA geostationary satellite using the model of efficiency based on flux. The topic is suitable for students in Calculus 3 class and can be supported by software (Mathematica) calculations. (Received September 26, 2017)