Abstract Submitted
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Potential Energy Calculations for Water Adsorption on Poly (methyl methacrylate)[1] MATEUSZ J. ZUBA, PATRICK HOWARD, BRIAN FAMILO, THORIN KANE, ROSS L. NETUSIL, CAROLINA C. ILIE, State University of New York at Oswego — The generosity of the NOYCE Research Grant enabled me to focus on the study of various polymers. The main goal was to study the molecular orbitals of poly (methyl methacrylate) (PMMA) and calculate the energy band gap. We also performed the potential energy calculations for our system: two polymer chains and water molecules. We obtained the activation energy from thermal desorption spectra of water on poly (methyl methacrylate) by employing Arrhenius analysis.

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