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*Compartmental Analysis Model of Persistent Environmental Toxins*. Preliminary report.

The presenters are an instructor-student pair who worked with Dr. Clem Welsh of the Centers for Disease Control and Prevention on a project modeling the propagation of polychlorinated biphenyls through the human body. Dougherty-Bliss, a graduate student who completed this project during his undergraduate studies, will discuss the research and its influence on his mathematical career. Merkel will discuss the subsequent development of differential equations course materials based on this project. (Received September 15, 2020)