

1125-G5-2628 **George E Cazacu*** (george.cazacu@gcsu.edu), 3023 McComb CT NE, Milledgeville, GA
31061. *The irresistible attraction of big mathematical ideas - Creating an interest in undergraduate
research.*

This work is exploring ideas about creating and perfecting classroom environments and activities that facilitates undergraduate research. It presents a collection of mathematical problems and examples that are meant to attract and challenge students' mathematical thinking. With topics ranging from simple geometry to paradoxes, from arithmetic to million dollar problems, undergraduate research will open the way for new fermats. (Received September 20, 2016)