

Pseudoholomorphic curves in symplectic geometry

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I will begin the talk by outlining the institutional base for Mathematics education research (MER) globally and in India. I will then present examples of findings from MER that can contribute to teaching mathematics better, focusing mainly on how children think in relation to mathematics. Children's ways of thinking can be surprising and unexpected. But when probed, they usually reveal underlying mathematical reasons. Exploring these reasons can reveal interesting mathematical aspects even at the elementary school level.