

Transversality and Strong Tangential Transversality

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The relation between the properties transversality and strong tangential transversality of sets in a Banach space is explored. It is obtained that for two sets in a Banach space strong tangential transversality implies transversality and the reverse implication fails. An application to Banach space theory is presented. A definition of strong tangential transversality for a finite number of sets is proposed which preserves the main properties of the notion.

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