

## COINCIDENCE POINTS FOR SET-VALUED MAPPINGS WITH DIRECTIONAL REGULARITY

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**Abstract.** This paper is devoted to investigate the interrelations between directional metric regularity and coincidence points for set-valued mappings. Under the assumption of directional metric regularity and directional Aubin continuity, new coincidence point theorems were established through iteration procedures for both local and global cases. As an application, the (global) directional Aubin continuity for the solution mapping of partial-parametrized variational system was established.

**Key Words and Phrases:** Coincidence point, directional metric regularity, directional Aubin continuity, variational system.

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