

IMMEDIATE TRANSVERSALITY

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Abstract: Transversality to a given C^1 mapping f is known to be a generic property. Nevertheless, whether there exists a path $(f_t)_{t \in [0, \varepsilon]}$ starting from f such that f_t is transverse to f for every positive t seems to be unknown. We shall discuss this question in the case of a submanifold with *conical* singularities.

The positive answer for flows of translations (for short) reveals to be helpful for getting A_∞ -structures on Morse complexes, uniquely defined up to A_∞ -homotopy.