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**Parametric general position properties and embedding  $n$ -dimensional maps into trivial bundles**

*Abstract.* A topological space  $X$  is said to have the  $m$ -DD $^n$ -property if any two maps  $f, g : I^m \times I^n \rightarrow X$  can be uniformly approximated by maps  $f', g' : I^m \times I^n \rightarrow X$  such that  $f'(\{z\} \times I^n) \cap g'(\{z\} \times I^n) = \emptyset$ .

We shall discuss the  $m$ -DD $^n$ -property and will show that a completely metrizable  $LC^{m+n}$ -space  $X$  has that property if and only if for each perfect  $n$ -dimensional map  $p : K \rightarrow M$  onto a metrizable  $m$ -dimensional space  $M$  the function space  $C(K, X)$  contains a dense  $G_\delta$ -set of maps injective on fibers of  $p$ .

Some arithmetic formulas for calculating the  $m$ -DD $^n$ -property in products will be presented as well.