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Hokkaido 050-8585, Japan. *Singularities of smooth mappings with patterns.*

The smooth mappings with patterns which given by certain divergence diagrams of smooth mappings can be regarded as smooth mappings from manifolds with singular foliations. Our concerns are generic differential topology and generic smooth mappings with patterns. We give a generic semi-local classifications of a special class of smooth mappings with patterns as an applications of singularity theory. (Received December 06, 2011)