

# Genericity of Caustics on a corner

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We introduce the notions of the caustic-equivalence and the weak caustic-equivalence relations of reticular Lagrangian maps in order to give a generic classification of caustics on a corner. We give the figures of all generic caustics on a corner in a smooth manifold of dimension 2 and 3.

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MSC classes: 37C75, 37J25, 37J40, 53D12

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