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Tensors, monads and actions

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We exhibit sufficient conditions for a monoidal monad T on a monoidal category C to induce a monoidal structure on the Eilenberg--Moore category C^T that classifies bimorphisms. The category of actions in C^T is then shown to be monadic over the base category C .

Subjects: **Category Theory (math.CT)**

MSC classes: 18C20, 18D10, 18D35

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