

# Global well-posedness and uniform boundedness of a higher-dimensional crime model with exponential decay

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## Abstract

We study a class of reaction–advection–diffusion system which is in fact motivated by recent modeling approaches in criminology. While there are results regarding the existence of global solution of the original crime model, the restriction of the parameters is existed for  $n \geq 2$ . Under mild conditions, our result expands the parameters to be arbitrary.

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