

Traveling waves for monotone non-compact semiflows

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<http://im.hit.edu.cn/8385/list.html>



In this talk, I will report a progress on the construction of traveling waves for a class of non-compact evolution systems admitting the comparison principle. The monotonicity of the semiflow and abstract functions will be used to overcome the difficulty caused by the lack of compactness. The results are then applied to the construction of the almost pulsating waves for a compact monotone semiflow in time-space periodic medium.