

## Bi-asymptotic $c$ -Expansivity and decomposition theorems

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In this talk, we define bi-asymptotically  $c$ -expansive maps on metric spaces and study its relationship with other variants of expansivity. We also provide an example to establish that expansive homeomorphisms need not be bi-asymptotically expansive. Finally we prove decomposition theorems for bi-asymptotically  $c$ -expansive continuous surjective maps with the shadowing property on compact metric spaces. This talk is based on the joint-work with Tarun Das and Rohit Nageshwar.