

## **Dynamics on induced maps**

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Suppose  $X$  is a compact metric space and  $T$  is a homeomorphism of  $X$ . Let  $M(X)$  be the space space of  $T$ -invariant probability measures on  $X$ .  $T$  naturally induces a homeomorphism  $T^*$  on  $M(X)$ . We discuss which dynamical properties are shared by  $T$  and  $T^*$ .

**(joint work with N. Bernardes, R. Vermersch )**