

# Inductive LS cocategory and localisation

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In this paper we prove that the inductive cocategory of a nilpotent CW-complex of finite type  $X$ ,  $\text{indcat } X$ , is bounded above by an expression involving the inductive cocategory of the  $p$ -localisations of  $X$ . Our arguments can be dualised to LS category improving previous results by Cornea and Stanley. Finally, we show that the inductive cocategory is generic for 1-connected  $H_0$ -spaces of finite type.

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