Clicker 2 on 28 February

28.02.2024 10:15 - 12:00

G - Algebraic Topology II

RUN TIME

00:02:34

NUMBER OF VOTES

0017

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Which of the following are true for all continuous $f\colon X \to Y$ and all abelian groups M?

- $H_0(X;M)$ is isomorphic to a sum of copies of M.

  Run 1 — 76% | 13 Number of votes

- $f_*\colon H_n(X;M) \to H_n(Y;M)$ is induced by $f_*\colon H_n(X) \to H_n(Y)$.

  Run 1 — 18% | 3 Number of votes

- For a commutative ring S with 1, the following diagram commutes:

$$\begin{array}{ccc} C(X) & \xrightarrow{f_c} & C(Y) \\ {\scriptstyle x\mapsto x\otimes 1}\downarrow & & \downarrow{\scriptstyle x\mapsto x\otimes 1} \\ C(X)\otimes S & \xrightarrow{f_c} & C(Y)\otimes S \end{array}$$

  Run 1 — 82% | 14 Number of votes