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AN EXAMPLE OF NON-COFORMAL CLASSIFYING SPACE WITH RATIONAL $H(2)$-STRUCTURE

HIROKAZU NISHINOBU and TOSHIHIRO YAMAGUCHI

Abstract. Let $Baut_1X$ and $Baut_1p$ be the Dold-Lashof classifying spaces of a space X and a fibration $p : X \to Y$, respectively. In this paper, we give an example that there exists a fibration $\xi : S^7 \times S^{11} \times S^{15} \times S^{19} \to X \stackrel{p}{\to} S^5$ such that $Baut_1X$ and $Baut_1p$ are not coformal and are rational $H(2)$-spaces.

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Nagano Natural College of Technology
Department of general education
716, Nagano, 381-0041, Japan
E-mail: h_nishinobu@nagano-nct.ac.jp

Kochi University
2-5-1, Kochi, 780-8520, Japan
E-mail: tyamag@kochi-u.ac.jp