

# INDIAN STATISTICAL INSTITUTE

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I, Biman Roy, herewith submit the final version of my Ph.D. thesis (soft copy) titled:

$M^1$ -homotopy types of  $M^2$  and  $M^2 - \{0,0\}$

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Biman Roy 23/12/24

Signature of the Research Fellow with date

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Signature of Supervisor with date

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