Declaration

I hereby declare that the work reported in this thesis entitled **"Chaotic Properties of Dynamical Systems"** is entirely original and has been carried out by me at Department of Mathematics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara–390002, under the guidance of Dr. Sejal K. Shah. Due acknowledgment has been made in the text to all materials used. No part of the thesis has formed the basis for the award of any degree or fellowship previously to any University or Institution.

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