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**Research Article**

# POINCARE CONJECTURE FALSE AS DIMENSIONALITY AND COMPACTNESS ARE NOT COMMON TO 3 SPHERES TO AND MANIFOLDS

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## INTRODUCTION

Topology was a field developed by people like Felix Hausdorff, Karl Gauss, and Leonard Euler concerning the issue of Homeomorphism or can one object be changed into another using stretching and bending continuously but not gluing or cutting.

Topology considers geometric commonness in objects. Henri Poincare was an early person involved in topology. Poincare conjecture is false as manifolds like lines do not share dimensionality with each other and do not share compactness with each other. Russian Grigori Perelman's proof was faulty as cutting and gluing are involved which does not involve homeomorphism.

## DISCUSSION

The field of topology or consideration of homeomorphism involves certain questions like can one object be changed or transformed into another object with bending or stretching not gluing or cutting. Dr. Grigori Perelman's proof involved gluing and cutting which is not topology or homeomorphism. Here is why Poincare conjecture is false

1. Dimensionality is not shared. A 3 sphere is 3 dimensional while a line is a 1-dimensional manifold. Dimensionality is not shared so Poincare conjecture is disproved. Lines are one dimensional not 3 dimensional. [1]

2. Compactness means closed and bounded. A 3 sphere can be unbounded and open. Since a 3 sphere is or can be unbounded and open, a 3 sphere does not share compactness with a compact manifold. Poincare conjecture disproved as compactness is not shared between a manifold which is compact and an unbounded and open 3 sphere. [2]

3. Ricci flow involves cutting and surgery and cutting and surgery are not continuous stretching and bending. Ricci flow from Grigori Perelman does not prove Poincare conjecture. [3]

### Conclusion

Henri Poincare's conjecture is easily disproved. Compact manifolds ARE NOT homeomorphic to 3 spheres in dimension. Compact manifolds ARE NOT homeomorphic to unbounded and open 3 spheres. The feature of compactness is not held by compact manifolds and open unbounded or uncompact 3 spheres in common. Poincare conjecture disproved. Hausdorff spaces are also not homeomorphic either. Hausdorff space are separate sets and one can place a Hausdorff space in a manifold and not in a 3 sphere and vice versa. Poincare conjecture is false as 3 spheres and manifolds do not share compactness and dimensionality as features.

## REFERENCES

1. Stover, Christopher and Weisstein, Eric W “Line” From Mathworld- A Wolfram Web Resources http://mathworld.wolfram.com/Line.html

2. Weisstein, Eric. W. “Boundedly Compact Space.” From Mathworld- A Wolfram Web Resources.

3. Homeomorphism does involve surgery or cutting from wikipedia.org discussion of "Topology" cited 3/1/2023

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