Degrees and some of the topological applications

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Abstract: Degree of a map is a well-known tool in Differential Topology. I will give some examples of the applications of degree such as Borsuk-Ulam theorem, etc.

- 1. Definition of degree (Hirsch)
- 2. Borsuk-Ulam theorem (Armstrong)
- 3. (*)Brouwer fixed point theorem
- 4. Lusternik-Schnirelmann theorem
- 5. Ham sandwich theorem