## Problemi di ottimizzazione della forma

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- 1. A general presentation of shape optimization problems, with some classical issues.
- 2. The isoperimetric problem with some variants.
- 3. Optimal aerodynamical profiles.
- 4. Optimal interfaces between two media.
- 5. Optimal shape of a thin insulating layer.
- 6. Optimal domains for elliptic operators.
- 7. A nonexistence example and Relaxed Dirichlet problems.
- 8. Existence under geometrical constraints.
- 9. An existence result for spectral optimization problems.
- 10. Other existence results and open problems.