

$$-\Delta u = f \text{ is } \int \nabla u \cdot \nabla v \, dx = \int f v \, dx \text{ is}$$
$$\text{dot}(\text{grad}(u), \text{grad}(v)) * dx == f * v * dx$$

The
FEniCS
Project is a
collaborative project
for the development of
innovative concepts and tools
for automated scientific computing,
with a particular focus on automated
solution of differential equations by
finite element methods.



FENICS
PROJECT

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