

Contents

0.1	Forms on real functions	1
0.1.1	Integration as a form	1

0.1 Forms on real functions

A form takes two vectors and produces a scalar.

0.1.1 Integration as a form

We can use integration to get a bilinear form.

$$\int f(x)g(x)dx$$

If we instead want a sesquilinear form we can instead use:

$$\int f(\bar{x})g(x)dx$$