

The goal was to create a set of Java applets, which would serve as an addition to the teaching of Linear algebra. These applets make possible to compute with rational numbers, real numbers, complex numbers and  $\mathbb{Z}_p$  - integers modulo prime  $p$  using addition, subtraction, multiplication and division. It is also possible to compute with vectors of elements of those spaces using addition and subtraction of vectors and multiplication and division by scalar. In addition, the vector calculator can figure coordinates of a vector, determine a linearly independent subset of vectors and, when in standard scalar product space, figure an orthogonal projection onto a subspace generated by a set of vectors. The advantage of these applets is their ease of use simulating a classical handheld calculator.