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Research field: arithmetic geometry, algebraic geometry, algebraic K-theory

Key words: Higher dimensional class field theory, algebraic cycles, motives, motivic cohomology

Present research: There are mainly three different topics: Higher dimensional class field theory, theory of motives, analytic K-theory of rigid spaces.

Notice for the students: For students who wish to study under my supervision in the master course, it is absolutely necessary to understand the standard subjects in algebra such as groups, rings, fields, modules, Galois theory.

It is also necessary to learn scheme theory, homological algebra, sheaf theory.

It is also desirable to study arithmetic of local fields and number fields.

In research in arithmetic geometry, wide range of knowledge is required and much effort is demanded to reach to a front line of research.

Have a big dream but not forget honest labor of computations is also indispensable in mathematical research.