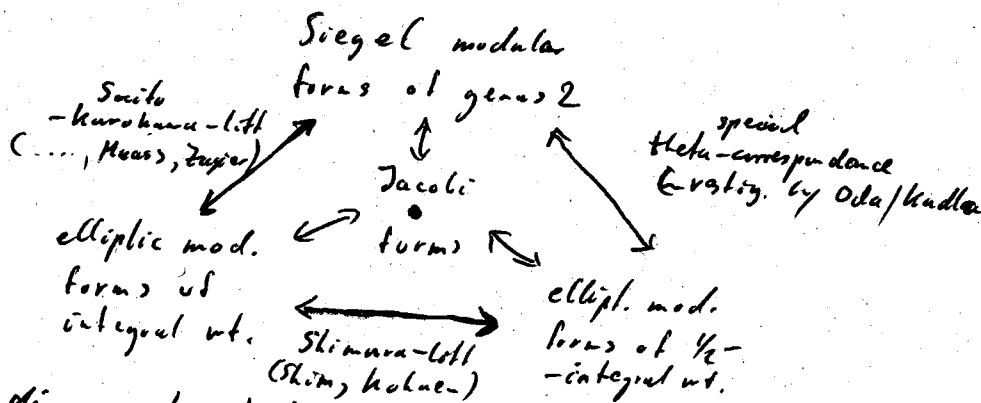


Introduction

I would like to begin this talk with some very general remarks about Jacobi forms. These remarks will be as vague as general. ~~But perhaps they will give you a rough idea of what I am going to say about.~~ However, ~~the remaining part of my talk~~ I shall be as precise as possible and I shall try to explain everything from scratch.

If one would have to explain Jacobi forms by a diagram, the one could possibly give the following one:



This diagram has to be understood in the following sense: There are various connections between these different types of modular forms occurring in the diagram. Key-words are written at the corresponding ~~arrow-making~~ connecting arrow. All these listed correspondences are best understood as sum of two of the indicated Jacobi-form - mod. form - correspondences. However, first of all these Jacobi-modular-correspondences had to be discovered and investigated and this was historically also the starting point for the theory of Jacobi forms which ~~led to~~ resulted in the monography: Eichler/Zagier: The Theory of Jacobi Forms (1985).

While the theory of Jacobi forms has grown ^{quite} ~~lot~~ and there are several nice ~~or~~ even beautiful results. So according to my opinion a more up-to-date diagram should look like this

