Appendix 6:   Pictures of prime numbers and ideals for real fields of class number 2

The pictures show the quadratic character and a picture of prime numbers, units and non-principal prime ideals for some real quadratic fields of class number 2, namely

the fields of discriminant congruent 0 modulo 4:

      Q(√10), Q(√15), Q(√26), Q(√30), Q(√34), Q(√35), Q(√39)

and the fields of discriminant congruent 1 modulo 4:

      Q(√65), Q(√85), Q(√105).

The pictures display the prime numbers, which generate the principal prime ideals, but not those irreducible numbers which are not prime.
Moreover, the non-principal prime ideals are displayed as follows.
The non-principal ideals are obtained by dividing principal ideals by a certain non-principal prime ideal, I, generated by its norm and some integer of Q(√r). In the picture, the non-principal prime ideals then are represented by those numbers whose norm is equal to a prime norm times the norm of I. This norm of I is mentioned at the top of the picture.