

Appendix 2: Pictures of prime numbers for real UFD

The pictures show the quadratic character and a picture of **prime numbers** and **units** for some real quadratic fields whose domain of integers is a unique-factorization domain, namely, for radicands < 32 ,

the fields of discriminant congruent 0 modulo 4:

$$Q(\sqrt{2}), Q(\sqrt{3}), Q(\sqrt{6}), Q(\sqrt{7}), Q(\sqrt{11}), Q(\sqrt{14}), Q(\sqrt{19}), (\sqrt{22}), Q(\sqrt{23}), Q(\sqrt{31})$$

and the fields of discriminant congruent 1 modulo 4:

$$Q(\sqrt{5}), Q(\sqrt{13}), Q(\sqrt{17}), Q(\sqrt{21}), Q(\sqrt{29}).$$





