The maximal modulus of a reciprocal algebraic integer

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Let $\alpha$ be an algebraic integer of degree $d$, which is reciprocal. The house of $\alpha$ is the largest modulus of its conjugates. We compute the minimum of the houses of all reciprocal algebraic integers of degree $d$ which are not roots of unity, say $m_R(d)$, for $d$ at most 34. We proved lemmas useful to avoid unnecessary calculations. The computations suggest several conjectures.

References

