Erratum

Erratum to “The Beckman–Quarles theorem for rational spaces”

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The claim, included in Lemma 2, that all the mutual distances of the given points in the unit circle are rational numbers is wrong. This happens only if both \( \cos x \) and \( \sin x \) of the starting angle \( x \) are rational numbers.

In the proof of Theorem 3, where Lemma 2 is used, the distances \( \|W_m - W_n\| \) and \( a_n \), need not be rational, but their squares are, of course, rational numbers. The form given for the distances \( \|W_m - W_n\| \) is wrong, and it is not used in the proof.