

## Tingley's problem on uniform algebras

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The Tingley's problem asks if a surjective isometry between the unit spheres of two Banach spaces is extended to a real-linear surjective isometry between whole of the Banach spaces. Several progresses have been done by many authors, although I do not show a complete list of the name of authors. Tanaka and Peralta initiated to study the case of algebras of matrices and operators. Recently Mori and Ozawa gave a positive partial solution by proving that  $C^*$ -algebras satisfy the Mazur-Ulam property. Several progresses are going on in this direction. Very recently, Becerra-Guerrero, Cueto-Avellaneda, Ferenández-Polo and Peralta published the results about  $JBW^*$ -triples. On the other hand, the case of Banach spaces of analytic functions, except Hilbert spaces, are still missing. I will give a talk in this case including uniform algebras.

This is a joint work with Shiho Oi and Rumi Shindo Togashi.