# THE TRANSFER OF PROPERTY $(\beta)$ OF ROLEWICZ BY A UNIFORM QUOTIENT MAP

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**Abstract.** We show that the $(\beta)$-modulus is not quantitatively preserved via uniform homeomorphisms by exhibiting two uniformly homeomorphic Banach spaces that do not have $(\beta)$-moduli of the same power-type even under renorming. On the other hand, we provide a Laakso construction to prove that the property of having an equivalent norm with the property $(\beta)$ of Rolewicz is qualitatively preserved via surjective uniform quotient mappings between separable Banach spaces. This is joint work with S. J. Dilworth and N. Lovasoa Randrianarivony.