VESKO VALOV, Nipissing University *On homogeneity of Cantor cubes*

We discuss the question of extending homeomorphism between closed subsets of the Cantor discontinuum D^{τ} . It is established that any homeomorphism f between two closed subsets of D^{τ} can be extended to an autohomeomorphism of D^{τ} provided f preserves the λ -interiors of the sets for every cardinal λ . This is a non-metrizable analogue of the Ryl-Nardjewski theorem stating that if X is a proper closed subset of the Cantor set D^{\aleph_0} and f is a homeomorphism of X onto f(X) such that f(intX) = int f(X), then there exists an autohomeomorphism of D^{\aleph_0} extending f.