

t31_jordan6

(TMJmrXp9jr2Wakm5ukGHf34NvsMaisJNkT)

October 27, 2020

Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $u1_struct_0 : \iota \Rightarrow \iota$ be given. Let $k15_euclid : \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $k6_jordan6 : \iota \Rightarrow \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_xreal_0 X0) \Rightarrow (k6_jordan6 X0 = ReplSep (toset (\lambda X1 : \\ \iota.m1_subset_1 X1 (u1_struct_0 (k15_euclid np_2)))) (\lambda X1 : \\ \iota.k17_euclid X1 = X0) (\lambda X1 : \iota.X1)) \end{aligned} \quad (1)$$

Theorem 1

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(m1_subset_1 X1 (u1_struct_0 \\ (k15_euclid np_2))) \Rightarrow ((X1 \in k6_jordan6 X0) \Leftrightarrow (k17_euclid X1 = X0)))$$