

t1_jgraph_6
(TMbEnJ2uFpfCprR8GoPiK5zscWiDGf1remf)

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 $r1_xxreal_0 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_rltopsp1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k19_euclid : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k17_euclid : \iota \Rightarrow \iota$ be given. Let $k18_euclid : \iota \Rightarrow \iota$ be given. Assume the following.

$$\begin{aligned}
& \forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (\forall X2. \\
& (v1_xreal_0 X2) \Rightarrow ((r1_xxreal_0 X0 X1) \Rightarrow (ReplSep (toset (\lambda X3 : \\
& \quad \iota.m1_subset_1 X3 (u1_struct_0 (k15_euclid np_2)))))) (\lambda X3 : \\
& \quad \iota.(k17_euclid X3 = X2) \wedge ((r1_xxreal_0 X0 (k18_euclid X3)) \wedge (r1_xxreal_0 \\
& \quad (k18_euclid X3) X1))) (\lambda X3 : \iota.X3) = k1_rltopsp1 (k15_euclid \\
& \quad np_2) (k19_euclid X2 X0) (k19_euclid X2 X1))))))
\end{aligned} \tag{1}$$

Theorem 1

$$\begin{aligned}
& \forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (\forall X2. \\
& (v1_xreal_0 X2) \Rightarrow (\forall X3.(m1_subset_1 X3 (u1_struct_0 (k15_euclid \\
& \quad np_2)))) \Rightarrow (((r1_xxreal_0 X1 X2) \wedge (X3 \in k1_rltopsp1 (k15_euclid \\
& \quad np_2) (k19_euclid X0 X1) (k19_euclid X0 X2)))) \Rightarrow ((k17_euclid X3 = \\
& \quad X0) \wedge ((r1_xxreal_0 X1 (k18_euclid X3)) \wedge (r1_xxreal_0 (k18_euclid \\
& \quad X3) X2))))))
\end{aligned}$$