

t9_sin_cos9

(TMEwng9p782pmcMNvXzuAQjtMR3whrYb3pV)

October 27, 2020

Let $v2_funct_1 : \iota \Rightarrow o$ be given. Let $k2_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k29_sin_cos : \iota$ be given. Let $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_real_1 : \iota \Rightarrow \iota$ be given. Let $k10_real_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k32_sin_cos : \iota$ be given. Let $np_2 : \iota$ be given. Let $v1_funct_1 : \iota \Rightarrow o$ be given. Let $m1_subset_1 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1_zfmisc_1 : \iota \Rightarrow \iota$ be given. Let $k2_zfmisc_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v5_valued_0 : \iota \Rightarrow o$ be given. Let $v6_valued_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} & \forall X0. \forall X1. ((v1_funct_1 X1) \wedge (m1_subset_1 X1 (k1_zfmisc_1 \\ & (k2_zfmisc_1 k1_numbers k1_numbers)))) \Rightarrow (((v5_valued_0 (k2_partfun1 \\ & k1_numbers k1_numbers X1 X0)) \vee (v6_valued_0 (k2_partfun1 k1_numbers \\ & k1_numbers X1 X0))) \Rightarrow (v2_funct_1 (k2_partfun1 k1_numbers k1_numbers \\ & X1 X0))) \end{aligned} \tag{1}$$

Assume the following.

$$\begin{aligned} & v5_valued_0 (k2_partfun1 k1_numbers k1_numbers k29_sin_cos (\\ & k2_rcomp_1 (k1_real_1 (k10_real_1 k32_sin_cos np_2)) (k10_real_1 \\ & k32_sin_cos np_2))) \end{aligned} \tag{2}$$

Assume the following.

$$\begin{aligned} & (v1_funct_1 k29_sin_cos) \wedge (m1_subset_1 k29_sin_cos (k1_zfmisc_1 \\ & (k2_zfmisc_1 k1_numbers k1_numbers))) \end{aligned} \tag{3}$$

Theorem 1

$$\begin{aligned} & v2_funct_1 (k2_partfun1 k1_numbers k1_numbers k29_sin_cos (k2_rcomp_1 \\ & (k1_real_1 (k10_real_1 k32_sin_cos np_2)) (k10_real_1 k32_sin_cos \\ & np_2))) \end{aligned}$$