

t77_sin_cos9

(TMdANKiGac7KAhSuCeKicLBa6TesxkQxysD)

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Let $v1_fcont_1 : \iota \Rightarrow o$ be given. Let $k2_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k1_sin_cos9 : \iota$ be given. Let $k7_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ 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 $r2_fdiff_1 : \iota \Rightarrow \iota \Rightarrow o$ 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. Assume the following.

$$r2_fdiff_1\ k1_sin_cos9\ (k7_relset_1\ k1_numbers\ k1_numbers\ k29_sin_cos \\ (k2_rcomp_1\ (k1_real_1\ (k10_real_1\ k32_sin_cos\ np_2))\ (k10_real_1 \\ k32_sin_cos\ np_2))) \tag{1}$$

Assume the following.

$$\forall X0.\forall X1.((v1_funct_1\ X1)\wedge(m1_subset_1\ X1\ (k1_zfmisc_1 \\ (k2_zfmisc_1\ k1_numbers\ k1_numbers))))\Rightarrow((r2_fdiff_1\ X1\ X0)\Rightarrow \\ (v1_fcont_1\ (k2_partfun1\ k1_numbers\ k1_numbers\ X1\ X0))) \tag{2}$$

Assume the following.

$$(v1_funct_1\ k1_sin_cos9)\wedge(m1_subset_1\ k1_sin_cos9\ (k1_zfmisc_1 \\ (k2_zfmisc_1\ k1_numbers\ k1_numbers))) \tag{3}$$

Theorem 1

$$v1_fcont_1\ (k2_partfun1\ k1_numbers\ k1_numbers\ k1_sin_cos9\ (k7_relset_1 \\ k1_numbers\ k1_numbers\ k29_sin_cos\ (k2_rcomp_1\ (k1_real_1\ (k10_real_1 \\ k32_sin_cos\ np_2))\ (k10_real_1\ k32_sin_cos\ np_2))))$$