

t78_sin_cos9

(TMc6ZPM77wpL8wYxs4EkgX33rGmuXMZv7o4)

October 27, 2020

Let $v1_fcont_1 : \iota \Rightarrow o$ be given. Let $k2_partfun1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k2_sin_cos9 : \iota$ be given. Let $k7_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k30_sin_cos : \iota$ be given. Let $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ be given. Let $k32_sin_cos : \iota$ 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.

$$r2_fdiff_1 \ k2_sin_cos9 \ (k7_relset_1 \ k1_numbers \ k1_numbers \ k30_sin_cos \\ (k2_rcomp_1 \ k6_numbers \ k32_sin_cos)) \tag{1}$$

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.

$$(v1_funct_1 \ k2_sin_cos9) \wedge (m1_subset_1 \ k2_sin_cos9 \ (k1_zfmisc_1 \\ (k2_zfmisc_1 \ k1_numbers \ k1_numbers))) \tag{3}$$

Theorem 1

$$v1_fcont_1 \ (k2_partfun1 \ k1_numbers \ k1_numbers \ k2_sin_cos9 \ (k7_relset_1 \\ k1_numbers \ k1_numbers \ k30_sin_cos \ (k2_rcomp_1 \ k6_numbers \ k32_sin_cos)))$$