

l22_sincos10

(TMbtTc2qLGxByu4ewNcE3Cc2MUgMG9Qd2bd)

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Let $r1_tarski : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k2_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_numbers : \iota$ 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 $k1_relset_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k1_numbers : \iota$ be given. Let $k1_fdiff_9 : \iota$ be given. Let $k3_rcomp_1 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Assume the following.

$$\forall X0. \forall X1. \forall X2. ((r1_tarski X0 X1) \wedge (r1_tarski X1 X2)) \Rightarrow (r1_tarski X0 X2) \quad (1)$$

Assume the following.

$$r1_tarski (k3_rcomp_1 k6_numbers (k10_real_1 k32_sin_cos np_2)) (k1_relset_1 k1_numbers k1_fdiff_9) \quad (2)$$

Assume the following.

$$r1_tarski (k2_rcomp_1 k6_numbers (k10_real_1 k32_sin_cos np_2)) (k3_rcomp_1 k6_numbers (k10_real_1 k32_sin_cos np_2)) \quad (3)$$

Theorem 1

$$r1_tarski (k2_rcomp_1 k6_numbers (k10_real_1 k32_sin_cos np_2)) (k1_relset_1 k1_numbers k1_fdiff_9)$$