

t5_series_4

(TMUCXXJ2ALkoiGLiB8JS92BPf74r2t4VFVD)

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Let $v1_xreal_0 : \iota \Rightarrow o$ be given. Let $k1_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k6_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_3 : \iota$ be given. Let $k2_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $k3_xcmplx_0 : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $np_2 : \iota$ be given. Let $v1_xcmplx_0 : \iota \Rightarrow o$ be given. Assume the following.

$$\begin{aligned} \forall X0.(v1_xcmplx_0 X0) \Rightarrow (\forall X1.(v1_xcmplx_0 X1) \Rightarrow (k1_newton \\ (k6_xcmplx_0 X0 X1) np_3 = k6_xcmplx_0 (k2_xcmplx_0 (k6_xcmplx_0 \\ (k1_newton X0 np_3) (k3_xcmplx_0 (k3_xcmplx_0 np_3 (k1_newton \\ X0 np_2)) X1)) (k3_xcmplx_0 (k3_xcmplx_0 np_3 (k1_newton X1 np_2)) \\ X0)) (k1_newton X1 np_3))) \end{aligned} \tag{1}$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (v1_xcmplx_0 X0) \tag{2}$$

Theorem 1

$$\begin{aligned} \forall X0.(v1_xreal_0 X0) \Rightarrow (\forall X1.(v1_xreal_0 X1) \Rightarrow (k1_newton \\ (k6_xcmplx_0 X0 X1) np_3 = k6_xcmplx_0 (k2_xcmplx_0 (k6_xcmplx_0 \\ (k1_newton X0 np_3) (k3_xcmplx_0 (k3_xcmplx_0 np_3 (k1_newton \\ X0 np_2)) X1)) (k3_xcmplx_0 (k3_xcmplx_0 np_3 (k1_newton X1 np_2)) \\ X0)) (k1_newton X1 np_3))) \end{aligned}$$