

l2_series_2

(TMZ6J89yi7FBc8NCjj91EcxhcY13ybudBoT)

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

$$\forall X0.(v1_xcmplx_0 X0) \Rightarrow (k3_xcmplx_0 (k3_xcmplx_0 X0 X0) X0 = k1_newton X0 np_3) \quad (1)$$

Assume the following.

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (v1_xcmplx_0 X0) \quad (2)$$

Theorem 1

$$\forall X0.(v1_xreal_0 X0) \Rightarrow (k1_newton X0 np_3 = k3_xcmplx_0 (k3_xcmplx_0 X0 X0) X0)$$