t17_euler_2 (TMaPowLrLKRaKkMiYFQHor6843iocqC99Rp)

October 27, 2020

Let $v7\_ordinal1 : \iota \Rightarrow o$ be given. Let $r1\_int\_2 : \iota \Rightarrow \iota \Rightarrow o$ be given. Let $k1\_xboole\_0 : \iota$ be given. Let $k1\_newton : \iota \Rightarrow \iota \Rightarrow \iota$ be given. Let $v1\_int\_1 : \iota \Rightarrow o$ be given. Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v1\_int\_1\ X1) \Rightarrow (\forall X2.\ (v1\_int\_1\ X2) \Rightarrow ((r1\_int\_2\ X1\ X2) \Rightarrow (r1\_int\_2\ (k1\_newton\ X1\ X0)\ X2)))) \tag{1}$$

Assume the following.

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (v1\_int\_1\ X0) \tag{2}$$

Theorem 1

$$\forall X0.(v7\_ordinal1\ X0) \Rightarrow (\forall X1.(v7\_ordinal1\ X1) \Rightarrow ((r1\_int\_2\ X0\ X1) \Rightarrow ((X0 = k1\_xboole\_0) \vee ((X1 = k1\_xboole\_0) \vee (\forall X2.\ (v7\_ordinal1\ X2) \Rightarrow (r1\_int\_2\ (k1\_newton\ X0\ X2)\ X1))))))$$