CONTEXT StableLassaleCtx
EXTENDS GenericCtx
CONSTANTS

V

F Fonction descriptive de l'equation différentielle

K

d_K

AXIOMS

type_V: $V \in S \to RReal$

type_F: $F \in RRealPlus \times S \to S$

type_K: $K \subseteq S \land K \neq \varnothing$

K is not an empty subset.

type_d_K: $d\_K \in S \times S \to RReal$

dK_distance: $isDistance(d\_K)$

K_compact: $isClosed(K, d\_K) \land isBoundedSet(K, d\_K)$

Vtilde_neg: $\forall p \cdot p \in K \Rightarrow tilde(V, F)(p) \mapsto Rzero \in leq$

K_InvariantSet: $isInvariantSet(K, F)$

V_continuous: $V \in Cn(1, S, RReal)$

END