NOTATION

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@ 2020

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[f∈Un] = f is (used as) a predicate

U \universe of ACL2 values W t = guard obligations of t; Wt ⊆ U") It = guara v = igara v =FV(t)

free variables of t t1 = t2) = t1 and t2 are the same term $S_f \triangleq [f(x) = ...] - definition of f (if defined)$ uf = measure of f (if recursive); uf: Un → U ∠ f \(\Delta \text{well-founded relation of f (if recursive); ∠ f: U × U → U f is an ACL2 function $T_f \triangleq \left[\bigwedge_{i=1}^{j=m} (\psi_i(\bar{x}) \Rightarrow \mu_f(\rho_{j,1}(\bar{x}), ..., \rho_{j,n}(\bar{x})) \right] - f$ terminates (if recursive) with formals x = x1,..., xn Wf = guard obligations of f; Wf = U" Vf = [wf = Un] - f is guard-verified $\chi_f \triangleq guard of f; \gamma_f \in \mathcal{U}^n$