

Gallina, being an extension of the Calculus of Inductive Constructions (CIC), being an extension of the Calculus of Constructions (CoC), being an extension of the typed lambda calculus.

Every CIC program and proof term terminates.

CIC is *relatively consistent* with ZF so CIC claims are as believable as ZF ones.

It means that what's being defined is part of the object language.

- Gallina
- Ltac - for queries and requests of Coq
- The Vernacular - a DSL for writing proofs and decision procedures

Eval simpl in ...