

Yacc Form of grammar FuzzyFOTLattice.grm

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This yacc grammar was generated on Wed Mar 27 09:41:32 CET 2019 from the annotated Jacc grammar file FuzzyFOTLattice.grm.

```
Session
: Clauses Exit
| Exit
;

Clauses
: Clause
| Clauses Clause
;

Clause
: Pragma ';'
| SimilarityDegree ';'
| Unification ';'
| Generalization ';'
| error ';'
;

Exit
: 'exit' ';'
;

Pragma
: HelpPragma
| FunPragma
| SigPragma
| SimPragma
| ClosePragma
| ShowPragma
| FunclassPragma
| TermclassPragma
| FunrepPragma
| TermrepPragma
| MapPragma
| CompPragma
| LoadPragma
| TracePragma
| ResetPragma
;

HelpPragma
: HELP PragmaName_opt
;

PragmaName_opt
: /* empty */
| PragmaName
;

PragmaName
: HELP
| FUN
| SIG
| SIM
| CLOSE
| SHOW
| FUNCLASS
| TERMCLASS
| FUNREP
| TERMREP
| MAP
| COMP
| LOAD
| TRACE
| RESET
;

FunPragma
: FUN FunctorsArities_opt
;

FunctorsArities_opt
: /* empty */
| FunctorsArities
;
```

```

FunctorsArities
  : FunctorArity
  | FunctorsArities FunctorArity
  ;

FunctorArity
  : FUNCTOR SlashOpt NATURAL
  ;

SlashOpt
  : /* empty */
  | '/'
  ;

SigPragma
  : SIG
  ;

SimPragma
  : SIM FuzzyPairs_Opt
  ;

FuzzyPairs_Opt
  : /* empty */
  | FuzzyPairs
  ;

FuzzyPairs
  : FuzzyPair
  | FuzzyPairs FuzzyPair
  ;

FuzzyPair
  : FUNCTOR FUNCTOR FUZZYVAL
  ;

ClosePragma
  : CLOSE
  ;

ShowPragma
  : SHOW
  ;

FuncClassPragma
  : FUNCLASS FUNCTOR FUZZYVAL
  ;

TermClassPragma
  : TERMCLASS Term NaturalOrFuzzyval
  ;

NaturalOrFuzzyval
  : NATURAL
  | FUZZYVAL
  ;

FunrepPragma
  : FUNREP FUNCTOR FUZZYVAL
  ;

TermrepPragma
  : TERMREP Term FUZZYVAL
  ;

MapPragma
  : MAP MapPragmaData_opt
  ;

MapPragmaData_opt
  : /* empty */
  | MapPragmaData
  ;

MapPragmaData
  : FuzzyPair MapPairs_opt
  ;

MapPairs_opt
  : /* empty */
  | MapPairs
  ;

MapPairs
  : MapPair MapPairs_opt

```

```

;
MapPair
  : NATURAL ':' NATURAL
;

CompPragma
  : COMP
;

LoadPragma
  : LOAD STRING
;

TracePragma
  : TRACE LevelOpt
;

LevelOpt
  : /* empty */
  | NATURAL
;

ResetPragma
  : RESET
;

SimilarityDegree
  : LhsTerm EQS RhsTerm
;

Unification
  : LhsTerm INF RhsTerm
;

Generalization
  : LhsTerm SUP RhsTerm
;

LhsTerm
  : Term
;

RhsTerm
  : Term
;

Term
  : VARIABLE
  | Structure
  | '(' Term ')'
;

Structure
  : FUNCTOR
  | FUNCTOR '(' Body ')'
;

Body
  : Term
  | Body ',' Term
;

```

