

endpapers

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July 11, 2015

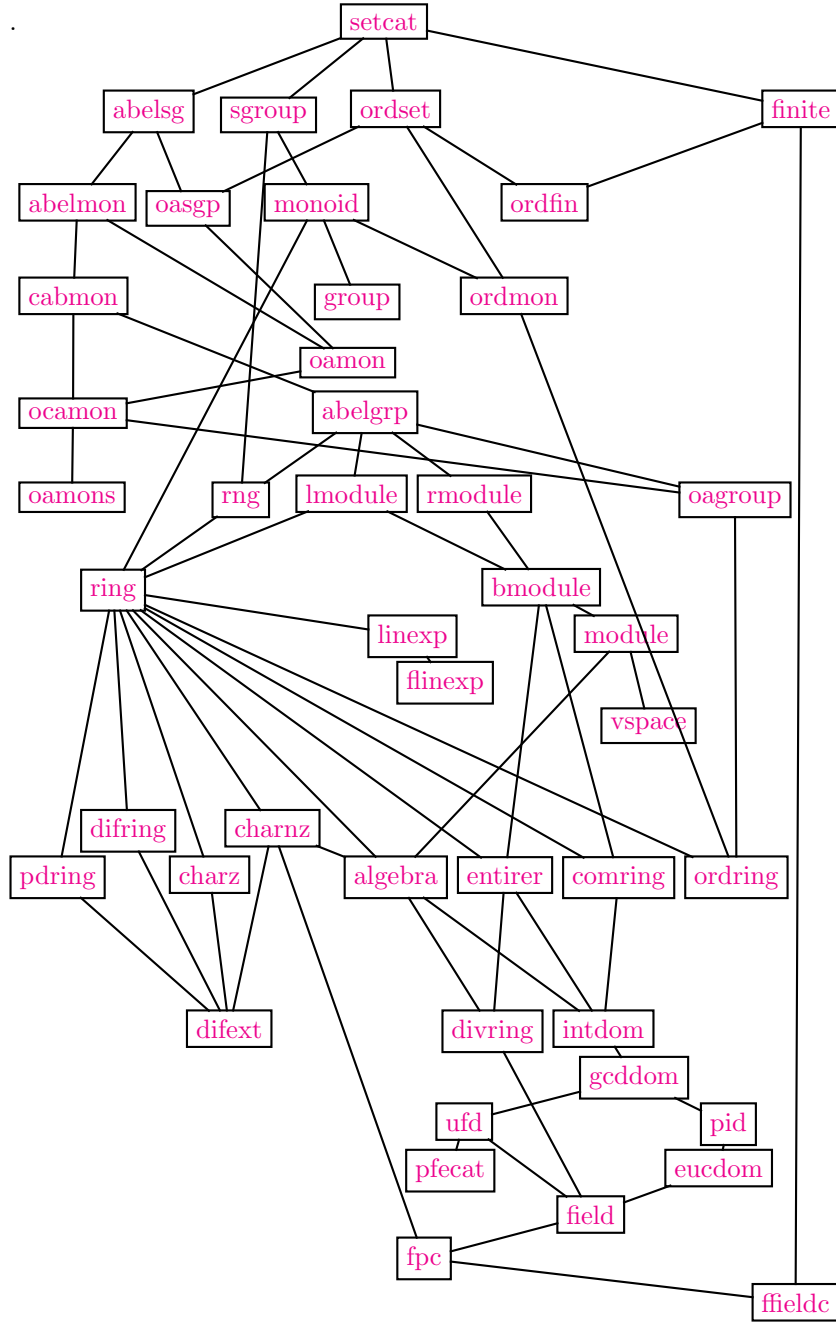


# Contents

- 0.1 Basic Algebra Hierarchy Diagram . . . . . 4
- 0.2 Basic Algebra Hierarchy . . . . . 5
- 0.3 Data Structure Hierarchy Diagram . . . . . 7
- 0.4 Data Structure Hierarchy Diagram . . . . . 8
- 1 Bibliography . . . . . 9**

This information comes from the end papers of the Jenks book[?].

## 0.1 Basic Algebra Hierarchy Diagram

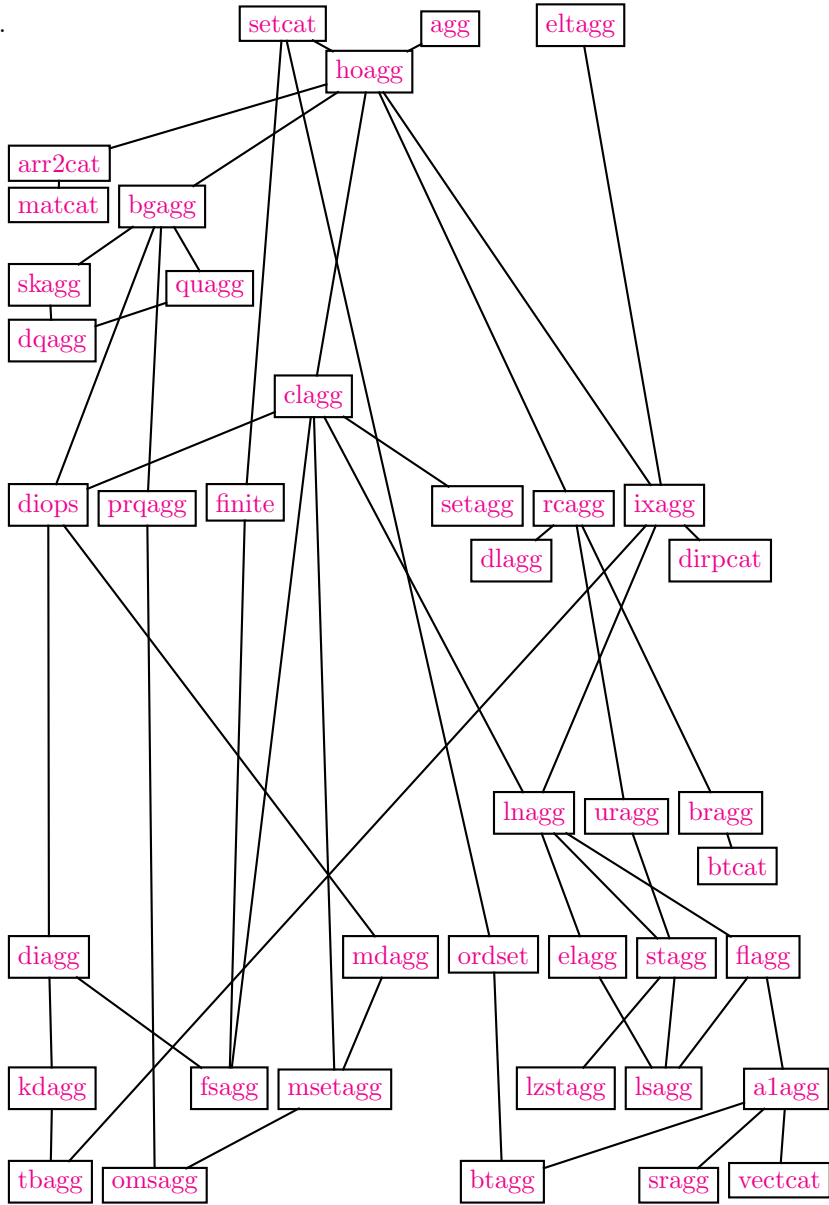


## 0.2 Basic Algebra Hierarchy

SETCAT SetCategory  
ABELSG AbelianSemiGroup  
SGROUP SemiGroup  
ORDSET OrderedSet  
FINITE Finite  
ABELMON AbelianMonoid  
MONOID Monoid  
ORDFIN OrderedFinite  
CABMON CancellationAbelianMonoid  
OASGP OrderedAbelianSemiGroup  
GROUP Group  
ORDMON OrderedMonoid  
OAMON OrderedAbelianMonoid  
OCAMON OrderedCancellationAbelianMonoid  
ABELGRP AbelianGroup  
OAMONS OrderedAbelianMonoidSup  
RNG Rng  
LMODULE LeftModule  
RMODULE RightModule  
OAGROUP OrderedAbelianGroup  
RING Ring  
BMODULE BiModule  
LINEXP LinearlyExplicitRingOver  
MODULE Module  
FLINEXP FullyLinearlyExplicitRingOver  
VSPACE VectorSpace  
DIFRING DifferentialRing  
CHARNZ CharacteristicNonZero  
PDRING PartialDifferentialRing  
CHARZ CharacteristicZero  
ALGEBRA Algebra  
ENTIRER EntireRing  
COMRING CommutativeRing  
ORDRING OrderedRing  
DIFEXT DifferentialExtension  
DIVRING DivisionRing  
INTDOM IntegralDomain  
GCDDOM GcdDomain  
UFD UniqueFactorizationDomain  
PID PrincipalIdealDomain  
PFECAT PolynomialFactorizationExplicit  
EUCDOM EuclideanDomain  
FIELD Field  
FPC FieldOfPrimeCharacteristic

**FFIELDC FiniteFieldCategory**

### 0.3 Data Structure Hierarchy Diagram



## 0.4 Data Structure Hierarchy Diagram

SETCAT SetCategory  
AGG Aggregate  
ELTAGG EltableAggregate  
HOAGG HomogeneousAggregate  
ARR2CAT TwoDimensionalArrayCategory  
MATCAT MatrixCategory  
BGAGG BagAggregate  
SKAGG StackAggregate  
QUAGG QueueAggregate  
DQAGG DequeueAggregate  
CLAGG Collection  
DIOPS DictionaryOperations  
PRQAGG PriorityQueueAggregate  
FINITE Finite  
SETAGG SetAggregate  
RCAGG RecursiveAggregate  
IXAGG IndexedAggregate  
DLAGG DoublyLinkedAggregate  
DIRPCAT DirectProductCategory  
LNAGG LinearAggregate  
URAGG UnaryRecursiveAggregate  
BRAGG BinaryRecursiveAggregate  
BTCAT BinaryTreeCategory  
DIAGG Dictionary  
MDAGG MultiDictionary  
ORDSET OrderedSet  
ELAGG ExtensibleLinearAggregate  
STAGG StreamAggregate  
FLAGG FiniteLinearAggregate  
KDAGG KeyedDictionary  
FSAGG FiniteSetAggregate  
MSETAGG MultisetAggregate  
LZSTAGG LazyStreamAggregate  
LSAGG ListAggregate  
A1AGG OneDimensionalArrayAggregate  
TBAGG TableAggregate  
OMSAGG OrderedMultiSetAggregate  
BTAGG BitAggregate  
SRAGG StringAggregate  
VECTCAT VectorCategory



## Chapter 1

# Bibliography



# Bibliography

- [Jenk92] Richard D. Jenks and Robert S. Sutor. *AXIOM: The Scientific Computation System*. Springer-Verlag, Berlin, Germany, 1992.