

endpapers

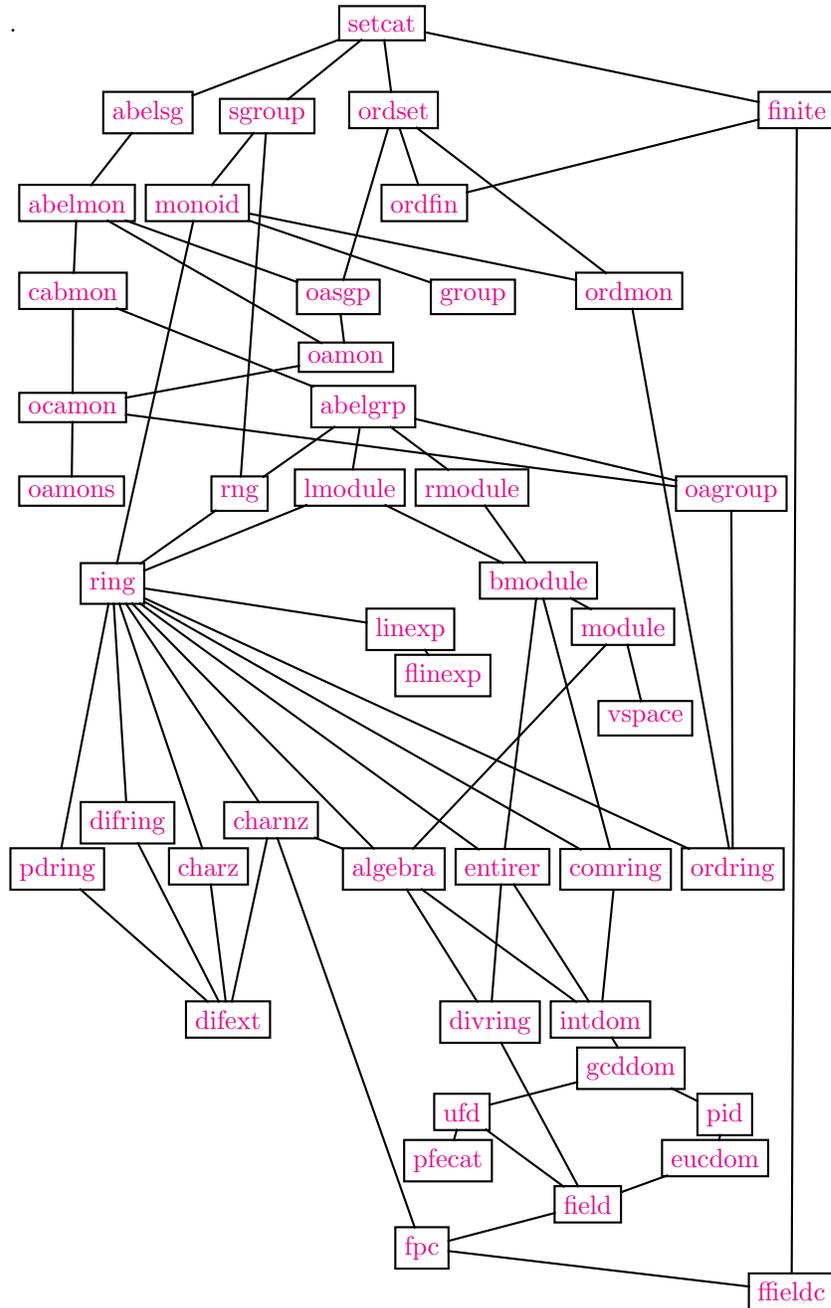
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## 0.1 Basic Algebra Hierarchy Diagram

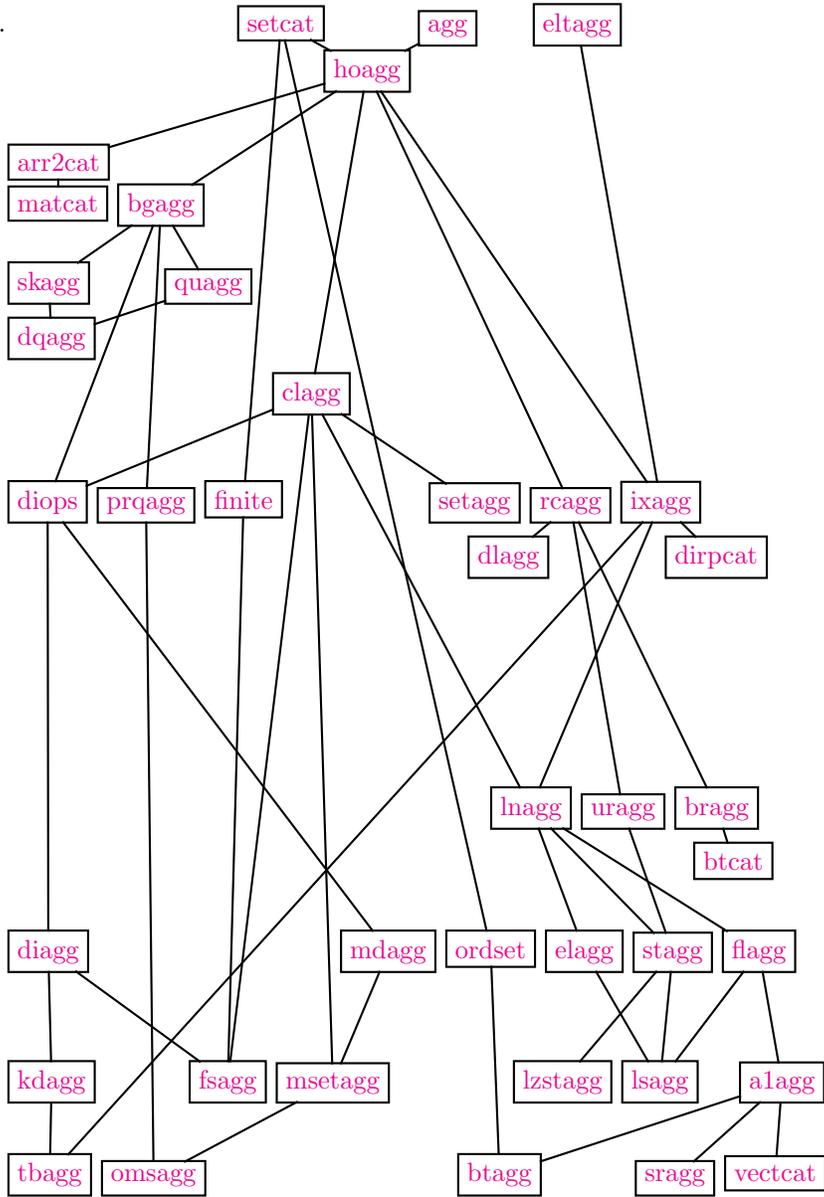




## 0.2 Basic Algebra Hierarchy

- 0.2.1 SETCAT SetCategory
- 0.2.2 ABELSG AbelianSemiGroup
- 0.2.3 SGROUP SemiGroup
- 0.2.4 ORDSET OrderedSet
- 0.2.5 FINITE Finite
- 0.2.6 ABELMON AbelianMonoid
- 0.2.7 MONOID Monoid
- 0.2.8 ORDFIN OrderedFinite
- 0.2.9 CABMON CancellationAbelianMonoid
- 0.2.10 OASGP OrderedAbelianSemiGroup
- 0.2.11 GROUP Group
- 0.2.12 ORDMON OrderedMonoid
- 0.2.13 OAMON OrderedAbelianMonoid
- 0.2.14 OCAMON OrderedCancellationAbelianMonoid
- 0.2.15 ABELGRP AbelianGroup
- 0.2.16 OAMONS OrderedAbelianMonoidSup
- 0.2.17 RNG Rng
- 0.2.18 LMODULE LeftModule
- 0.2.19 RMODULE RightModule
- 0.2.20 OAGROUP OrderedAbelianGroup
- 0.2.21 RING Ring
- 0.2.22 BMODULE BiModule
- 0.2.23 LINEXP LinearlyExplicitRingOver
- 0.2.24 MODULE Module
- 0.2.25 FLINEXP FullyLinearlyExplicitRingOver
- 0.2.26 VSPACE VectorSpace
- 0.2.27 DIFRING DifferentialRing
- 0.2.28 CHARNZ CharacteristicNonZero
- 0.2.29 PDRING PartialDifferentialRing
- 0.2.30 CHARZ CharacteristicZero
- 0.2.31 ALGEBRA Algebra
- 0.2.32 ENTIRER EntireRing

### 0.3 Data Structure Hierarchy Diagram





## 0.4 Data Structure Hierarchy Diagram

- 0.4.1 SETCAT SetCategory
- 0.4.2 AGG Aggregate
- 0.4.3 ELTAGG EltableAggregate
- 0.4.4 HOAGG HomogeneousAggregate
- 0.4.5 ARR2CAT TwoDimensionalArrayCategory
- 0.4.6 MATCAT MatrixCategory
- 0.4.7 BGAGG BagAggregate
- 0.4.8 SKAGG StackAggregate
- 0.4.9 QUAGG QueueAggregate
- 0.4.10 DQAGG DequeueAggregate
- 0.4.11 CLAGG Collection
- 0.4.12 DIOPS DictionaryOperations
- 0.4.13 PRQAGG PriorityQueueAggregate
- 0.4.14 FINITE Finite
- 0.4.15 SETAGG SetAggregate
- 0.4.16 RCAGG RecursiveAggregate
- 0.4.17 IXAGG IndexedAggregate
- 0.4.18 DLAGG DoublyLinkedAggregate
- 0.4.19 DIRPCAT DirectProductCategory
- 0.4.20 LNAGG LinearAggregate
- 0.4.21 URAGG UnaryRecursiveAggregate
- 0.4.22 BRAGG BinaryRecursiveAggregate
- 0.4.23 BTCAT BinaryTreeCategory
- 0.4.24 DIAGG Dictionary
- 0.4.25 MDAGG MultiDictionary
- 0.4.26 ORDSET OrderedSet
- 0.4.27 ELAGG ExtensibleLinearAggregate
- 0.4.28 STAGG StreamAggregate
- 0.4.29 FLAGG FiniteLinearAggregate
- 0.4.30 KDAGG KeyedDictionary
- 0.4.31 FSAGG FiniteSetAggregate
- 0.4.32 MSETAGG MultisetAggregate



# Bibliography

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