**Algorithms and programming concepts**

**Sorting algorithms**

* [Bubble sort](http://www.algolist.net/Algorithms/Sorting/Bubble_sort)
* [Selection sort](http://www.algolist.net/Algorithms/Sorting/Selection_sort)
* [Insertion sort](http://www.algolist.net/Algorithms/Sorting/Insertion_sort)
* [Quicksort](http://www.algolist.net/Algorithms/Sorting/Quicksort)

**Undirected graph algorithms**

* [Depth-first search (DFS)](http://www.algolist.net/Algorithms/Graph/Undirected/Depth-first_search)

**Programming concepts**

* [Recursion](http://www.algolist.net/Programming_concepts/Recursion)

**Number-theoretic algorithms**

* [Primality test (naive)](http://www.algolist.net/Algorithms/Number_theoretic/Primality_test_naive)
* [Sieve of Eratosthenes](http://www.algolist.net/Algorithms/Number_theoretic/Sieve_of_Eratosthenes)

**Miscellaneous**

* [Binary search algorithm](http://www.algolist.net/Algorithms/Binary_search)
* [Merge algorithm (for sorted arrays)](http://www.algolist.net/Algorithms/Merge/Sorted_arrays)

And

Algorithm complexity analysis