Boost Libraries

1. Algorithm
   1. Searching Algorithms
      1. Boyer-Moore Search
      2. Boyer-Moore-Horspool Search
      3. Knuth-Morris-Pratt Search
   2. C++11 Algorithms
      1. all\_of
      2. any\_of
      3. none\_of
      4. one\_of
      5. is\_sorted
      6. is\_partitioned
      7. is\_permutation
      8. partition\_point
   3. C++14 Algorithms
      1. equal
      2. mismatch
      3. Other Algorithms
      4. clamp
      5. gather
      6. hex
      7. is\_palindrome
      8. is\_partitioned\_until
2. Array
3. Atomic
4. Chrono
   1. Time
   2. I.O
      1. Duration
      2. Time\_point
5. Geometry
   1. Spatial Index
   2. References
6. Iterator
7. Math
   1. Floating Point Utilities
   2. Specified-width floating-point typedefs
   3. Mathematical Constants
   4. Statistical Distributions and Functions
   5. Special Functions
   6. Interpolation
   7. Complex Number Functions
8. Python
   1. References and Pointers
   2. Globally Registered Type Coercions
   3. Automatic Cross-Module Type Conversions
   4. Efficient Function Overloading
   5. C++ to Python Exception Translation
   6. Default Arguments
   7. Keyword Arguments
   8. Manipulating Python objects in C++
   9. Exporting C++ Iterators as Python Iterators
   10. Documentation Strings
9. Range
10. Random
11. Regex
12. Smart Pointer
13. Sort
14. Threads
15. Throw Exception
16. Timer
17. Tuple
18. Utilities
19. uBLAS
    1. Vector
    2. Matrix
    3. Matrix Operations