Nearest Neighbors References

The papers below provide more detailed information on the IdxJoin, L2AP, and L2Knng methods. You can find them on ResearchGate or on my web site. Of course, you can read some of the references included in those papers too if you want to understand the problem and other people's solutions to it better. The third paper is on a parallel solution to the $\epsilon$-NNG construction problem (same problem L2AP solves in serial) but has a slightly different explanation of the theory/algorithm, and more updated notation (closer to the slides).

[CIKM'15] David C. Anastasiu and George Karypis. L2knng: Fast exact k-nearest neighbor graph construction with l2-norm pruning. CIKM '15, pages 791-800, New York, NY, USA, 2015. ACM.  
[ICDE'14] David C. Anastasiu and George Karypis. L2ap: Fast cosine similarity search with prefix l-2 norm bounds. ICDE 2014, pages 784-795, 2014.  
[IA3'15] David C. Anastasiu and George Karypis. Pl2ap: Fast parallel cosine similarity search. IA3 2015. In conjunction with SC'15, IA3 2015, 2015.

IdxJoin is briefly explained in all the papers above, but never in much/rigorous detail. The best way to understand it is to look at its implementation in findsim.

The following tutorial paper (and references therein) may be helpful to understand the theory behind LSH.

[SPM'08] Malcolm Slaney and Michael Casey. Locality-Sensitive Hashing for Finding Nearest Neighbors. Lecture Notes. IEEE Signal Processing Magazine, 2008.