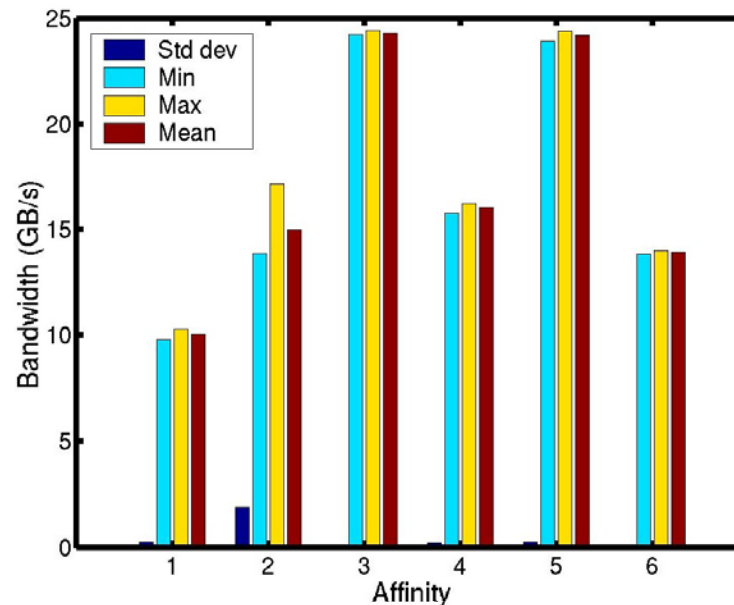
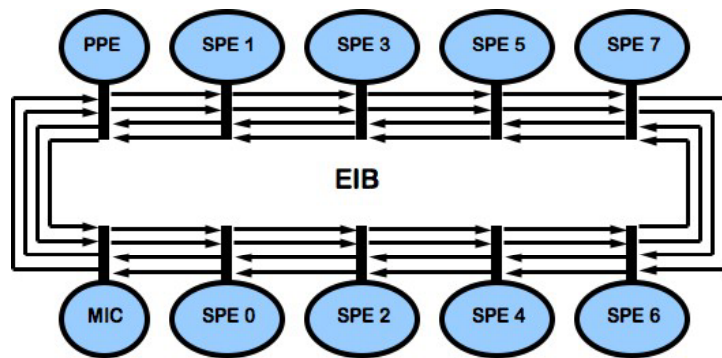


Dealing with Bandwidth Issues

Ashok Srinivasan, Florida State University

- Affinity: Assignment of threads to SPE influences bandwidth for large messages



- Compression: Fast floating point compression can alleviate IO/network bandwidth limitations
 - 2-10 GB/s compression/decompression on 8 or 16 SPEs
 - Compressed size < 70% of original for many data sets

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