

fill a matrix $m_{n,n}$ with random values;
sleep during t seconds;
transpose the matrix m

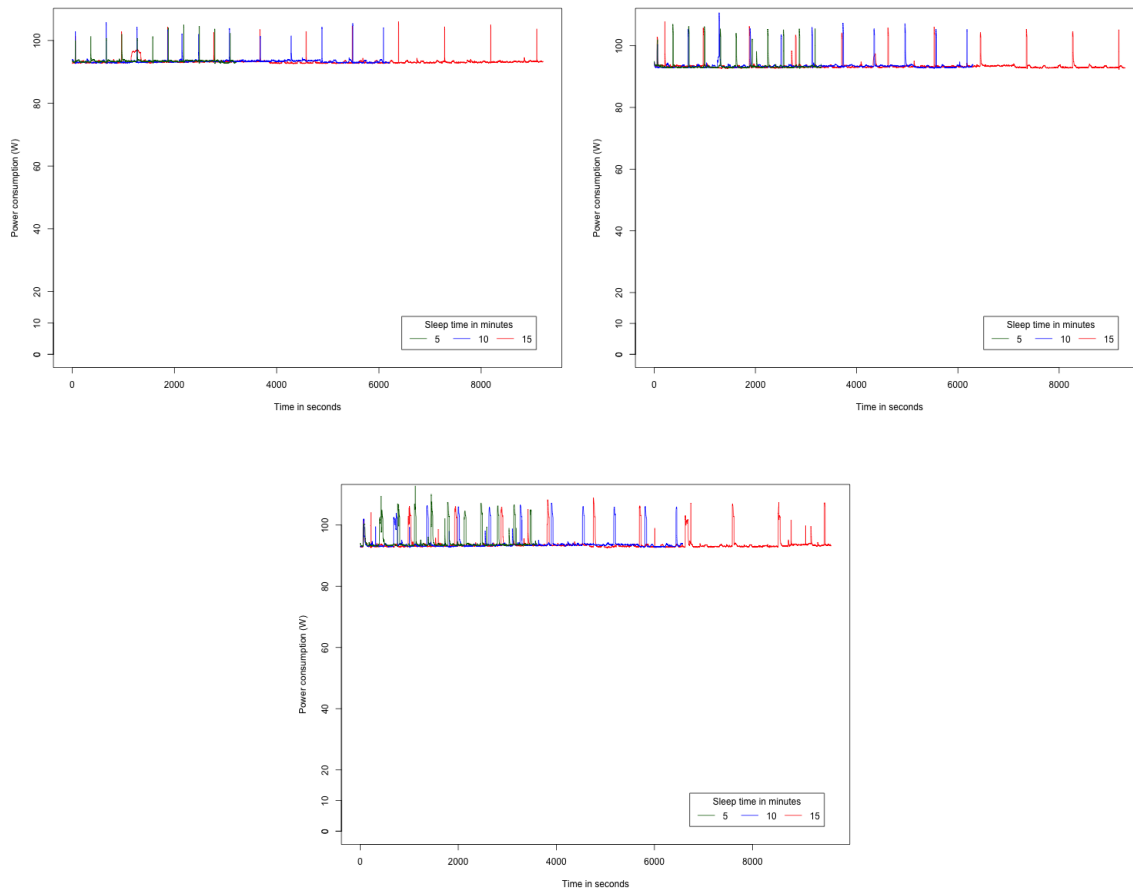


Figure 1: Power consumption of a square matrix transposition, CPU frequency of 1.6 GHz, and matrix size of (a) 10,000 (b) 20,000 and (c) 30,000

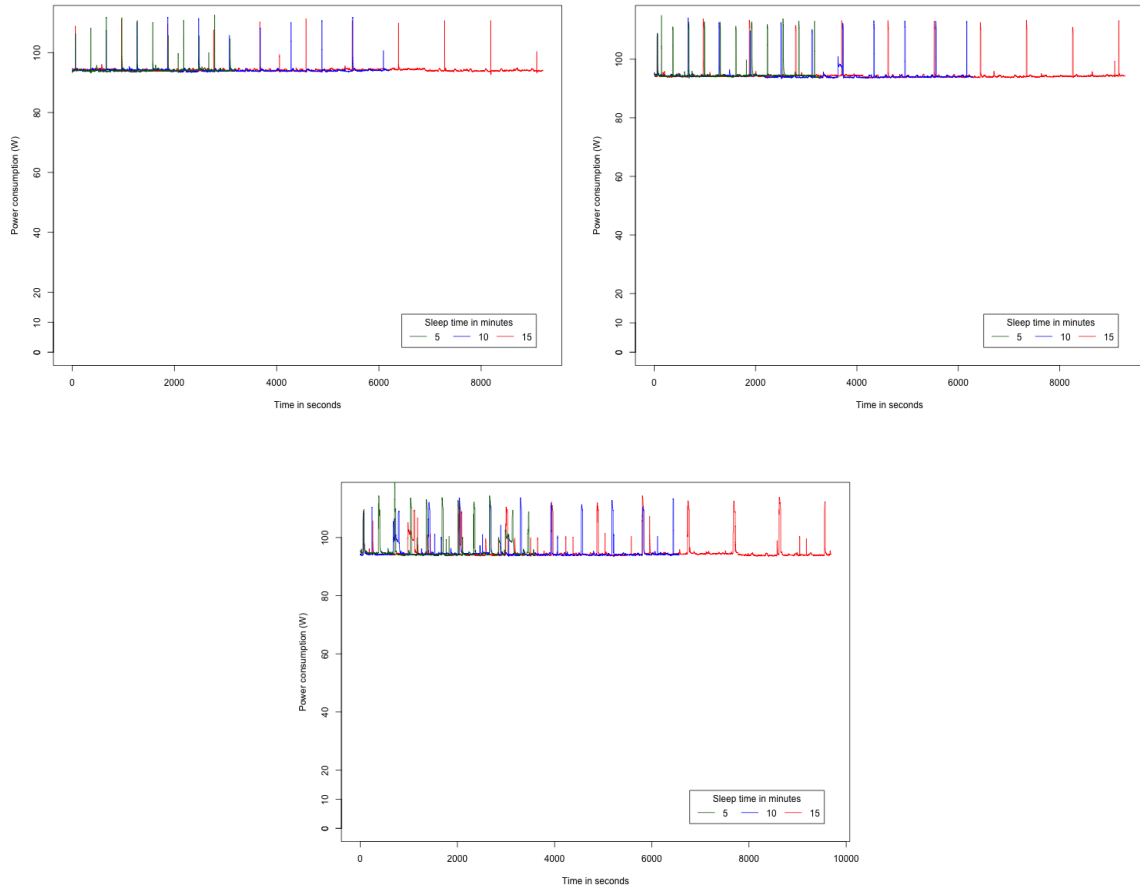


Figure 2: Power consumption of a square matrix transposition, CPU frequency of 1.86 GHz, and matrix size of (a) 10,000 (b) 20,000 and (c) 30,000

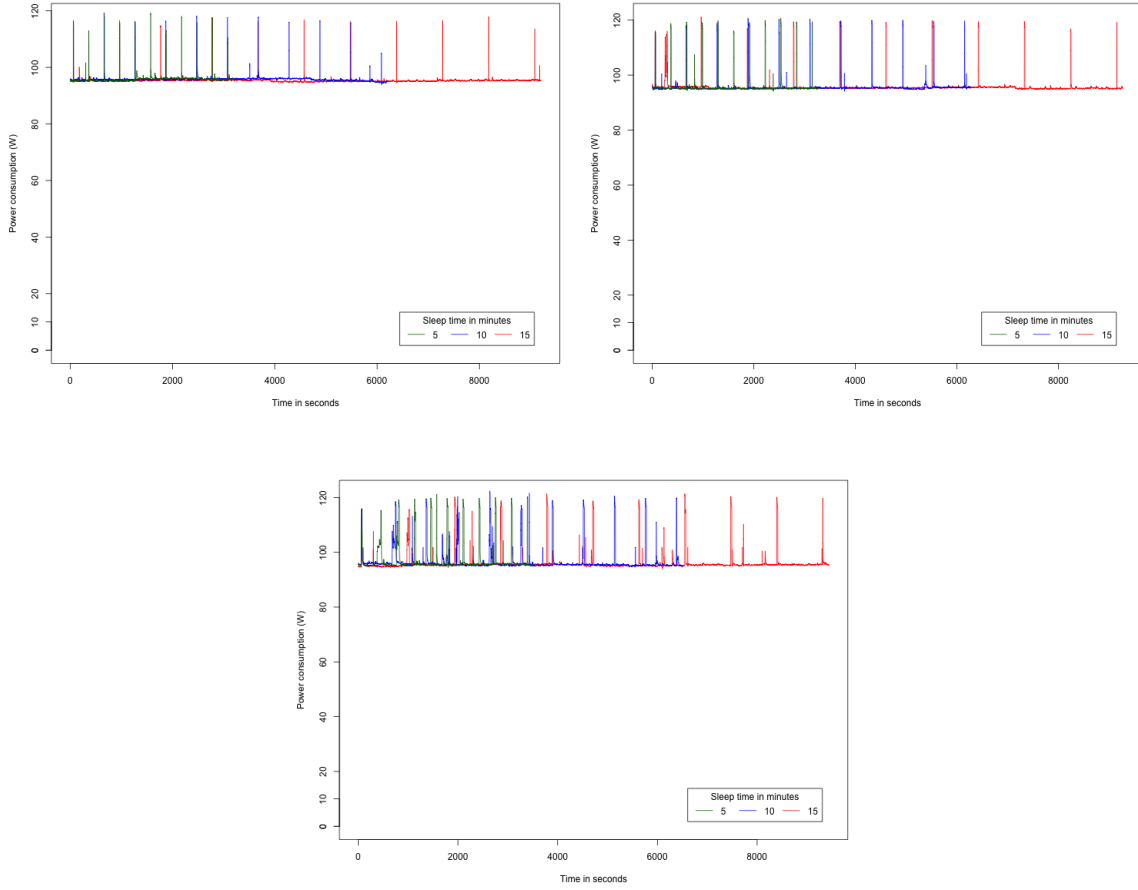


Figure 3: Power consumption of a square matrix transposition, CPU frequency of 2.13 GHz, and matrix size of (a) 10,000 (b) 20,000 and (c) 30,000

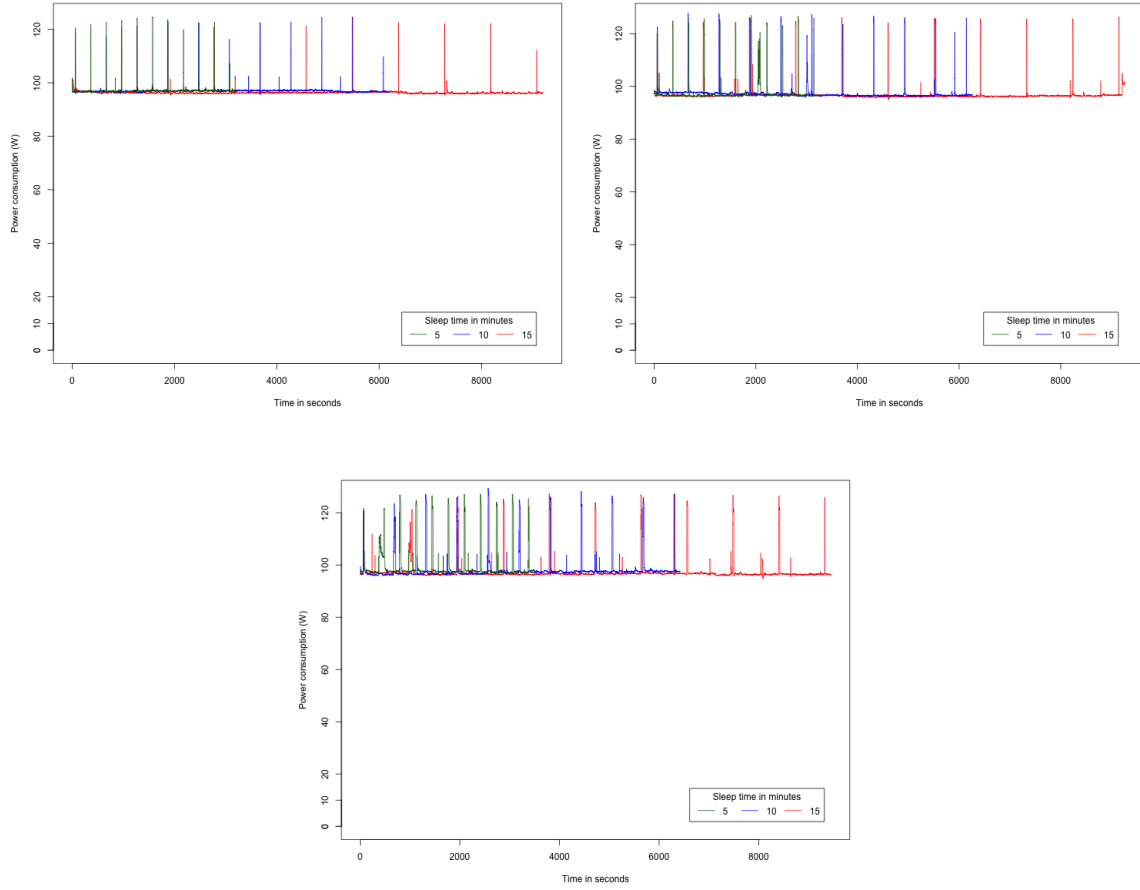


Figure 4: Power consumption of a square matrix transposition, CPU frequency of 2.13 GHz, and matrix size of (a) 10,000 (b) 20,000 and (c) 30,000