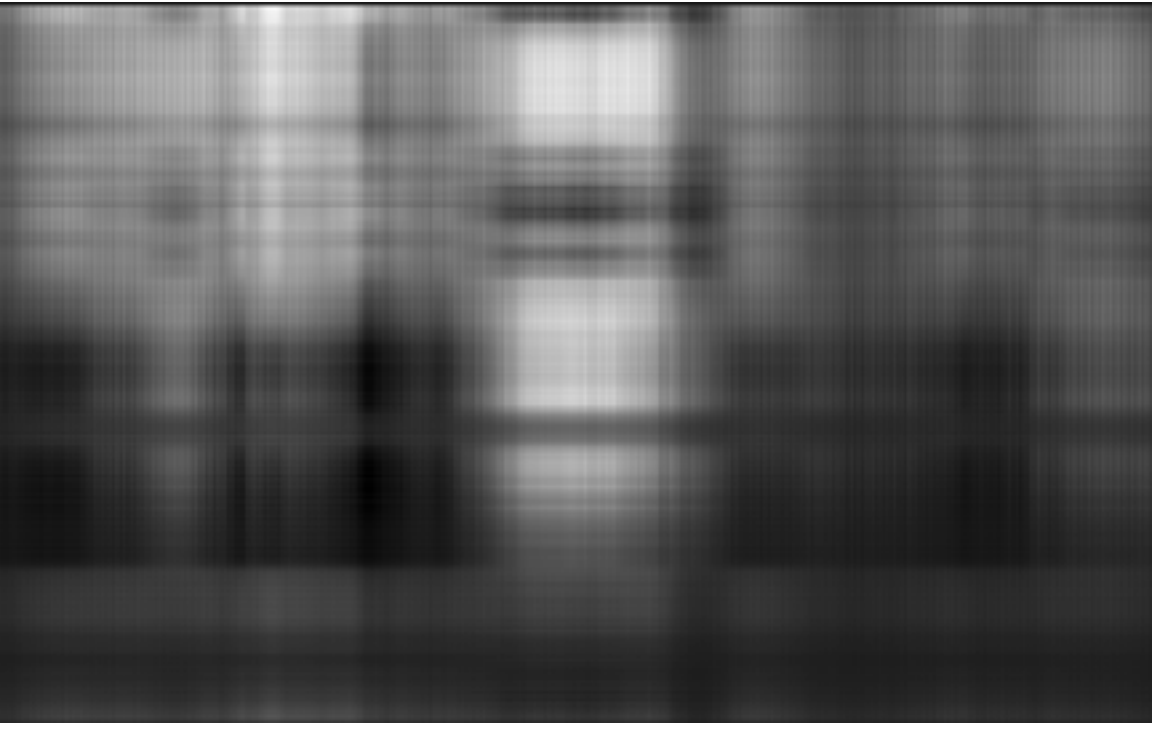rank 2