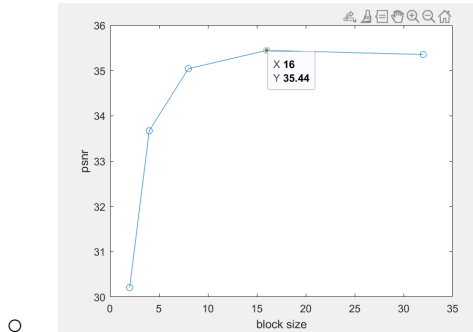# Lab 3

- **What source coding method gives the smallest rates?**
  - JPGRATE gives the lowest rate.
- **What choice of transform (DCT or DWHT) gives the best results?**
  - DCT gives the best result.
- **What choice of block size gives the best results?**
  - 16x16 gives the highest signal to noise ratio

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- **What quantization method gives the best results, using the same stepsize for all transform components or using different stepsizes for different transform components?**
  - Using different stepsizes is slightly better result.
- **How does chrominance subsampling affect the results?**
  - It improves it slightly from 35.0402 to 35.7342 when using factor 0.5

- **What is the lowest rate (in bits per pixel) that gives coded images that are indistinguishable from the original image at normal viewing distance?**
  - 3.22 bits per pixel
- **What is the lowest rate that gives an acceptable image quality?**
  - 3.10 bits per pixel