The included plots show BER vs OSNR curves for different symbol rates (32 GBaud, 56 Gbaud, 96 GBaud) and different digital modulations (QPSK, 16-QAM, 64-QAM). No impairments have been considered (such as laser phase noise, frequency offset, polarization mixing, chromatic dispersion). The appropriate amount of white noise is added using awgn() function and BER is simulated, then compared with the theoretical expectation. Noise frequency characteristics are Not considered, and white noise is assumed.  
  
File names should be self-evident. Format is “<modulation> <symbol rate>.eps/.fig.” Plots are generated using “base\_code.m”. Other .m files are for cases when the common impairments are considered.