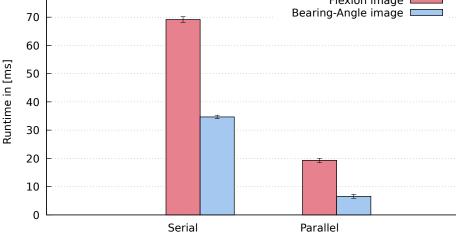Conversion of a pinhole image