Supplemental Data

Additional Figures for Material Modulus Data and Layer Height Data

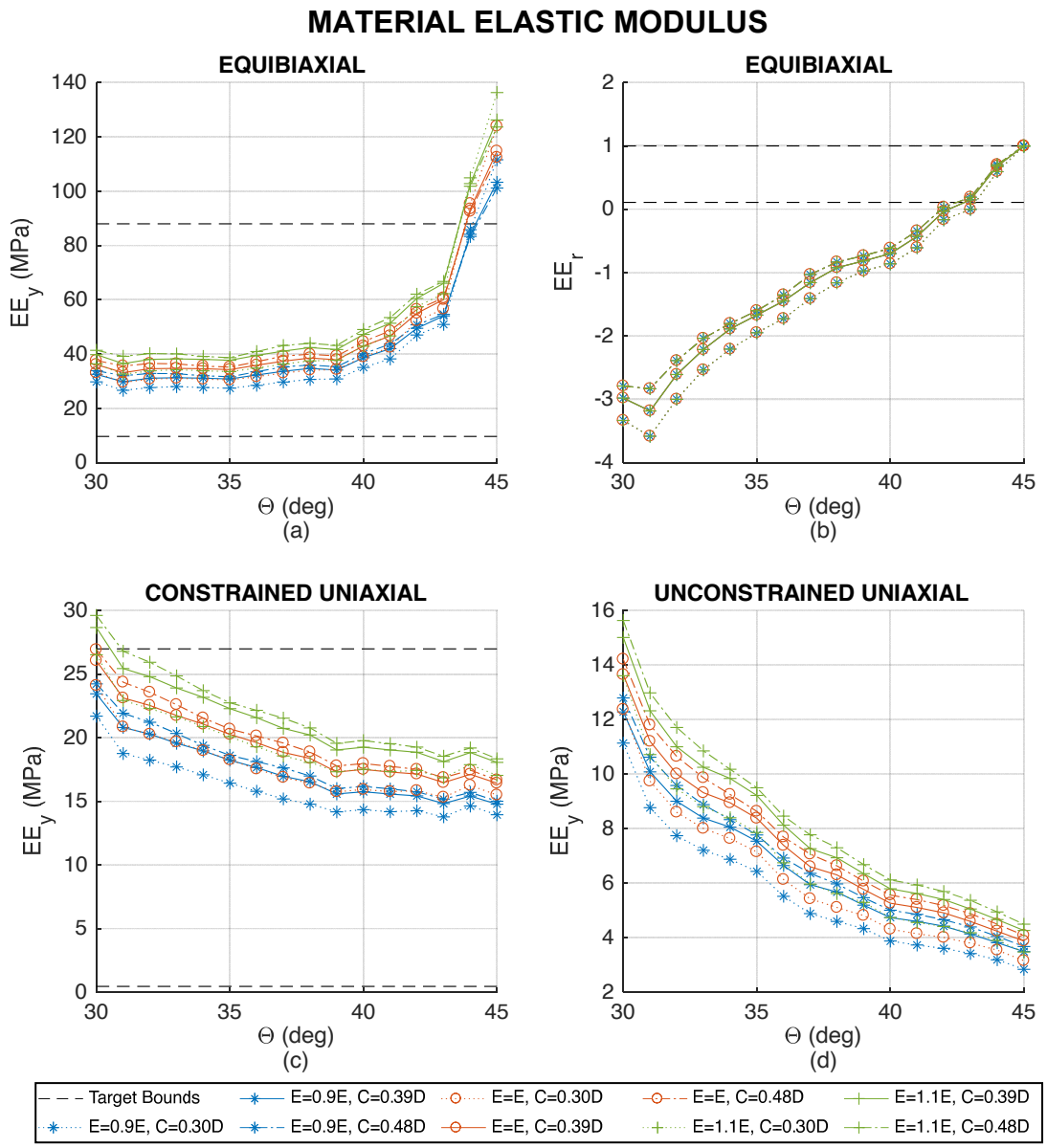

Figure A1. Cruciform effective elastic moduli as a function of fiber angle from the y-direction for combinations of three **material elastic moduli** (E) and three contact radii (C). Data shown are: (a) EE_y in equibiaxial tension, (b) EE_r in equibiaxial tension, (c) EE_y in transversely constrained uniaxial tension, and (c) EE_y in unconstrained uniaxial tension. The range of native AF target mechanics are shown with dashed black lines [14,16–27].

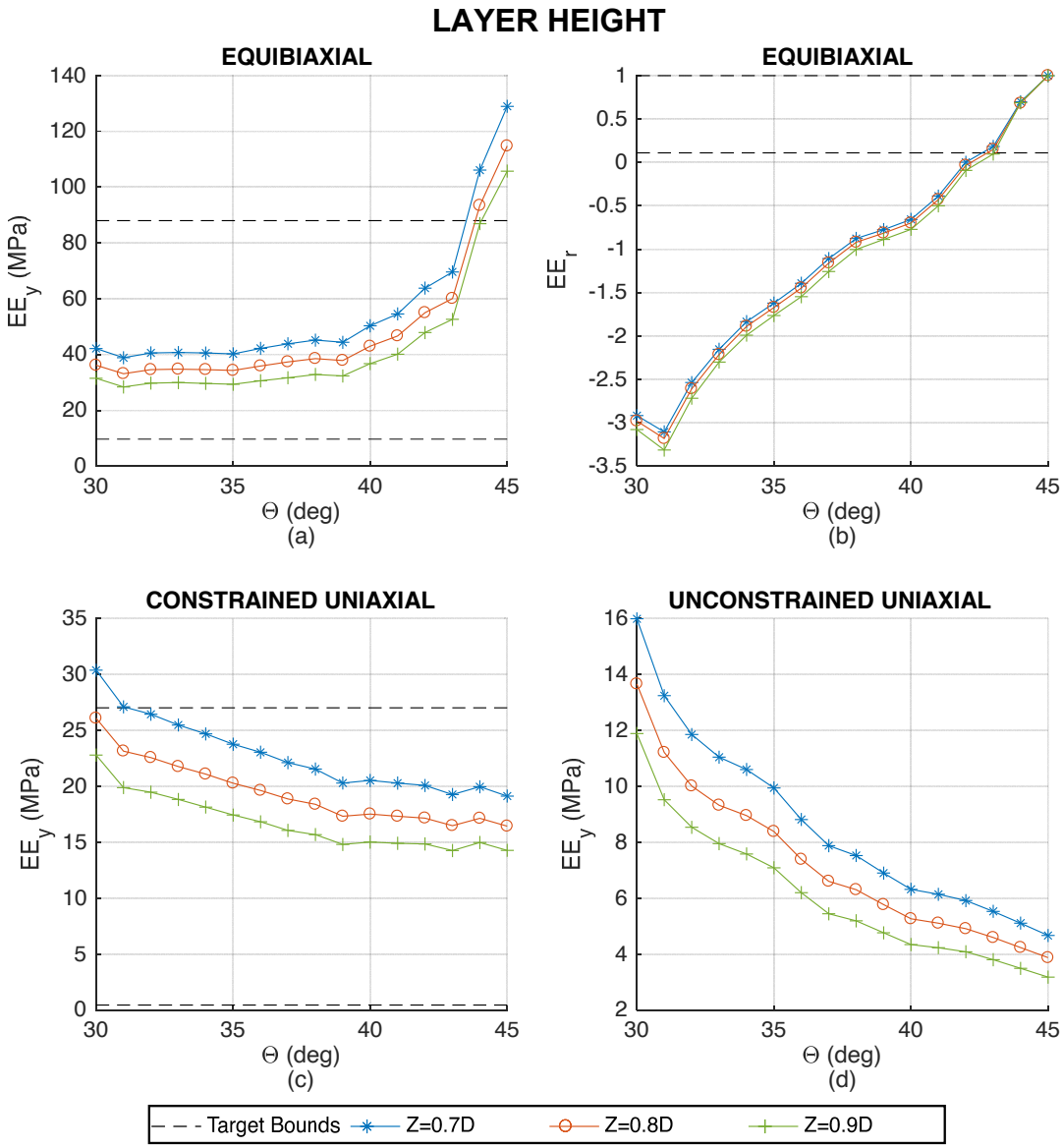

Figure A1. Cruciform effective elastic moduli as a function of fiber angle from the y-direction for combinations of three **layer heights** (Z). Data shown are: (a) EE_y in equibiaxial tension, (b) EE_r in equibiaxial tension, (c) EE_y in transversely constrained uniaxial tension, and (c) EE_y in unconstrained uniaxial tension. The range of native AF target mechanics are shown with dashed black lines [14,16–27].