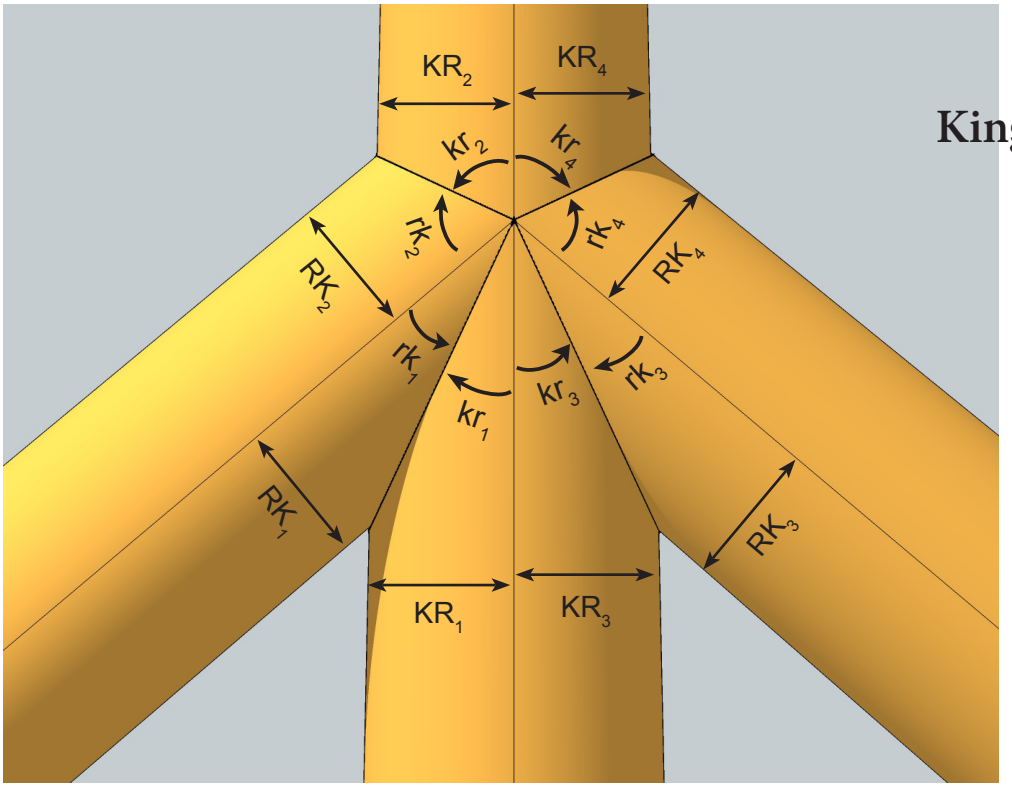
Using Radius Measurements to Adjust Joint Angles

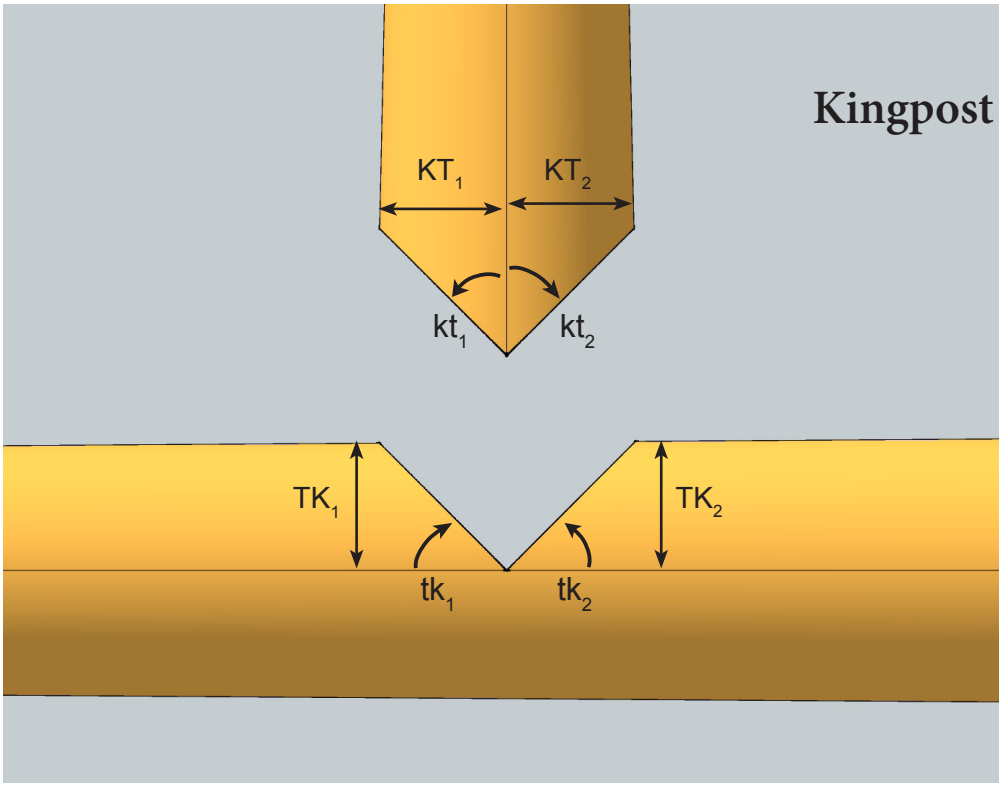
- The goal is for joint bearing-planes to have the same length where they meet. (Logs must have equal diameters to achieve both equal lengths AND equal widths.)
- Joint planes will probably NOT be 90° to each other.
- Joint planes will probably NOT bisect their incuded angles.



Kingpost to Rafters

KR_1 and KR_2 might have the same measurement, but depends on log shape.

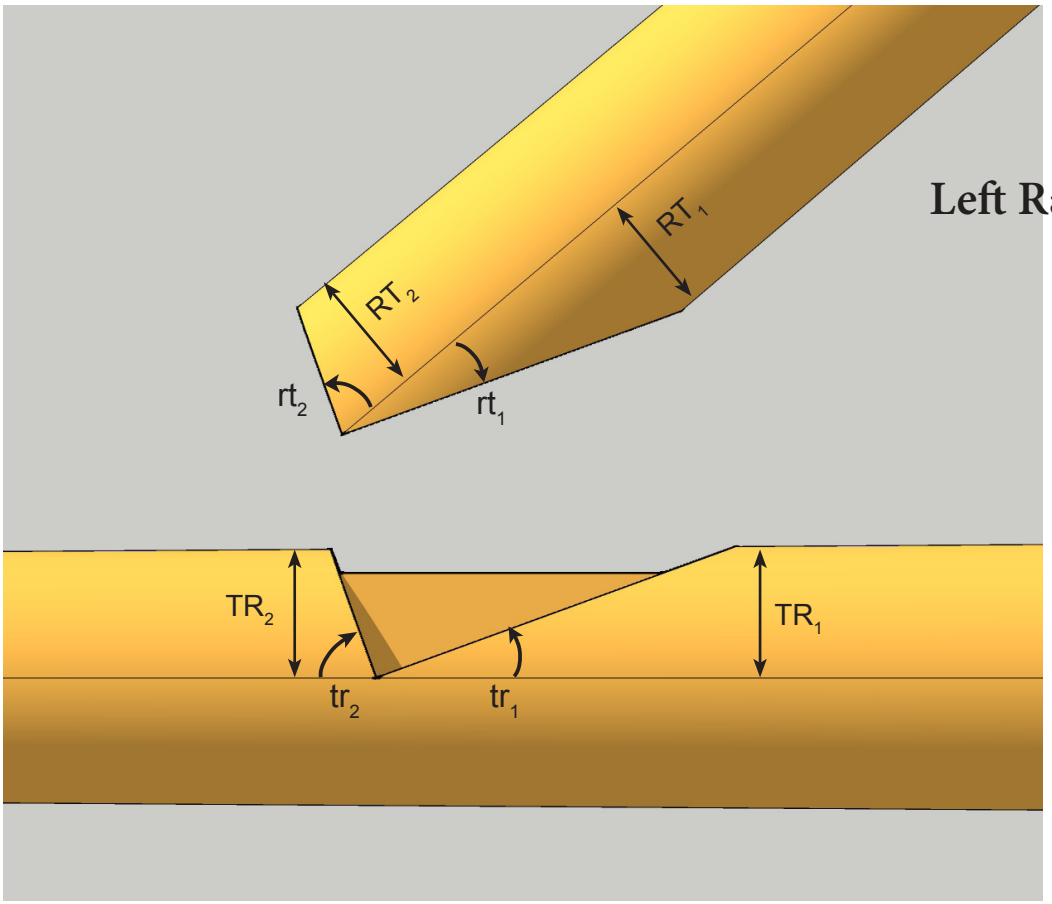
In fact, all 4 KR measurements could be the same — but only if the kingpost is straight, smooth, doesn't have much taper, and its chalkline was not snapped off-center



Kingpost to Tie Beam

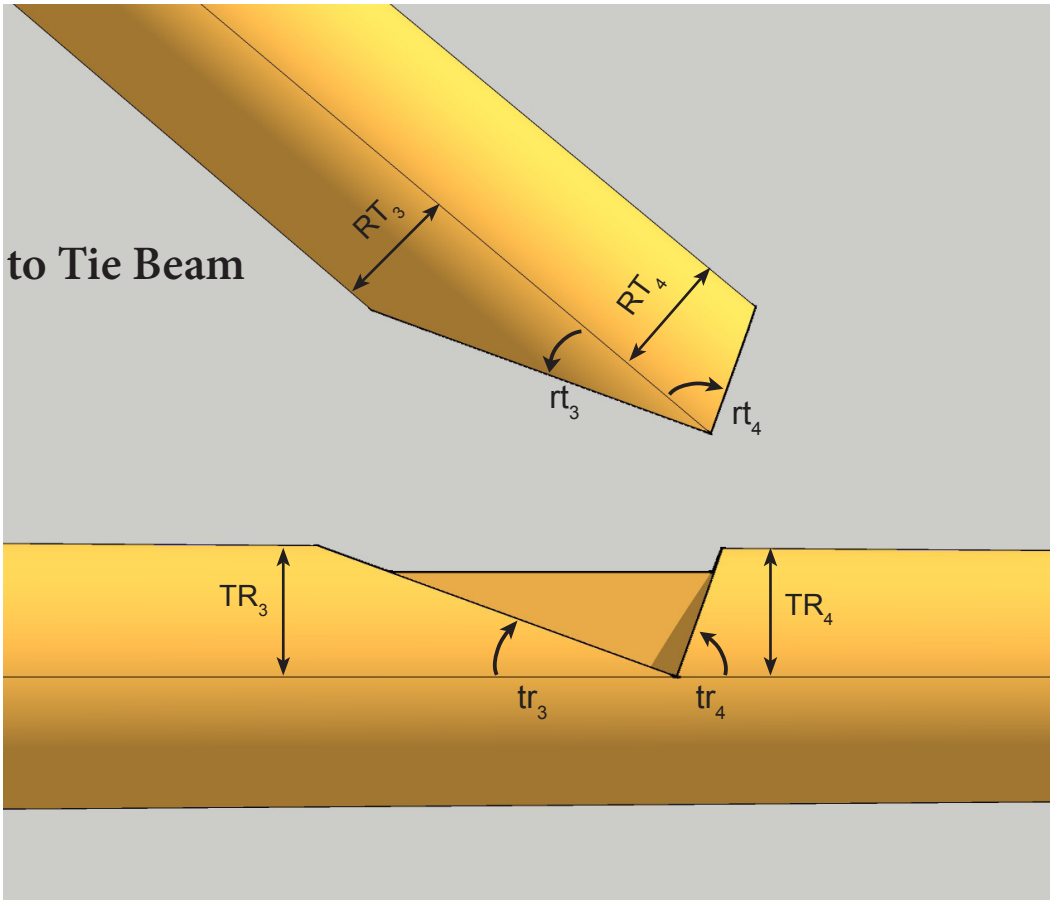
KT_1 and KT_2 might have the same measurement, but it depends on log shape, and whether chalkline is centered

TK_1 and TK_2 might have the same measurement, but it depends on log shape, and if the chalkline is centered at the midpoint of the tie beam's length.



Left Rafter to Tie Beam

TR_1 and TR_2 might have the same measurement, but it depends on log shape



Right Rafter to Tie Beam

TR_3 and TR_4 might have the same measurement, but it depends on log shape