GIVEN	SOLUTION	LEGEND
$\Delta_L, \Delta_S, T_S, R_S$	$R_L = \dfrac{T_S \sin\Delta - R_S \text{Vers}\Delta + RS}{\text{Vers }\Delta_L}$	P.C. — Point of Curvature
$\Delta_L, \Delta_S, T_L, R_L$	$R_S = \dfrac{T_L \sin\Delta - R_L \text{Vers}\Delta + R_L}{\text{Vers }\Delta_S}$	P.C.C. — Point of Compound Curvature
$\Delta_L, \Delta_S, R_L, R_S$	$T_L = \dfrac{R_L \text{Vers}\Delta - (R_L - R_S)\text{Vers}\Delta_S}{\sin\Delta}$	P.T. — Point of Tangency
$\Delta_L, \Delta_S, T_S, R_L$	$R_S = \dfrac{T_S \sin\Delta - R_L \text{Vers}\Delta_L}{\text{Vers}\Delta - \text{Vers}\Delta_L}$	R_L — Radius of Major Curve
$\Delta_L, \Delta_S, T_L, R_S$	$R_L = \dfrac{R_S \text{Vers}\Delta_S - T_L \sin\Delta}{\text{Vers}\Delta_S - \text{Vers}\Delta}$	R_S — Radius of Minor Curve
$\Delta_L, \Delta_S, T_L, T_S$	$R_S = \dfrac{T_S \sin\Delta - \tan\frac{1}{2}\Delta_L(T_L + T_S\cos\Delta)}{\text{Vers}\Delta - \sin\Delta \tan\frac{1}{2}\Delta_L}$	T_L — Long Tangent
Δ, T_L, T_S, R_S	$\tan\frac{1}{2}\Delta_L = \dfrac{T_S \sin\Delta - R_S \text{Vers}\Delta}{T_L + T_S \cos\Delta - R_S \sin\Delta}$	T_S — Short Tangent
Δ, T_L, T_S, R_L	$\tan\frac{1}{2}\Delta_S = \dfrac{R_L \text{Vers}\Delta - T_L \sin\Delta}{R_L \sin\Delta - T_L \cos\Delta - T_S}$	Δ — Total Deflection Angle of the Compound Curve $= \Delta_L + \Delta_S$
Δ, T_S, R_L, R_S	$\cos\Delta_L = \dfrac{R_L - T_S \sin\Delta - R_S \cos\Delta}{R_L - R_S}$	Δ_L — Deflection Angle of Major Curve
Δ, T_L, R_L, R_S	$\text{Vers}\Delta_S = \dfrac{R_L \text{Vers}\Delta - T_L \sin\Delta}{R_L - R_S}$	Δ_S — Deflection Angle of Minor Curve