$$\alpha_{12} = \tan^{-1}\left\{\frac{(\cos\beta_2 \cdot \sin\Lambda)}{\left[\sin(\beta_2 - \beta_1) + 2 \cdot \cos\beta_2 \cdot \sin\beta_1 \cdot \sin^2(\Lambda/2)\right]}\right\} \cdot \left(\frac{180}{\pi}\right) \text{degrees} \qquad \text{(Equation A38)}$$