

$Y1(a, b, s, t, \theta);$

$$s \tan \left( \arctan \left( \frac{b \sin(t)}{a \cos(t) + a} \right) + \theta \right) \left( \frac{a \left( \tan \left( \arctan \left( \frac{b \sin(t)}{-a \cos(t) + a} \right) + \theta \right) - \tan \left( \arctan \left( \frac{b \sin(t)}{a \cos(t) + a} \right) + \theta \right) \right)}{\tan \left( \arctan \left( \frac{b \sin(t)}{a \cos(t) + a} \right) + \theta \right) + \tan \left( \arctan \left( \frac{b \sin(t)}{-a \cos(t) + a} \right) + \theta \right)} + a \right)$$