

$\psi$	$r \cdot \text{Log}[r]^4$
$\psi(0)$	0
$\psi(1)$	0
$\psi'$	$\text{Log}[r]^3 (4 + \text{Log}[r])$
$\psi'(0)$	$\infty$
$\psi'(r_b)$	0
$\psi'(1)$	0
$\psi''$	$\frac{4 \text{Log}[r]^2 (3 + \text{Log}[r])}{r}$
$\psi''(r_b)$	$-64 e^4$
$\psi''(r_b)$	-3494.28
$r_b$	$\frac{1}{e^4}$
$r_b$	0.0183156
$A_b$	$\frac{256}{e^4}$
$A_b$	4.6888