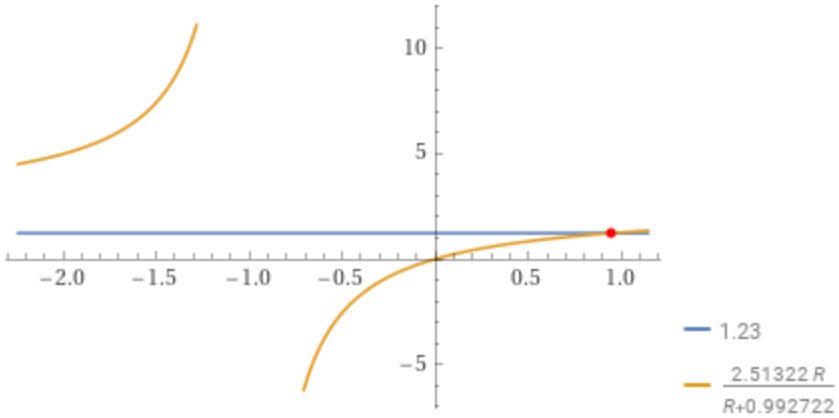
Input

$$1.23 = \frac{1.996\,R}{1.975 \times 1.996 + R\,(1.975 + 1.996)} \times 5$$

Result

$$1.23 = \frac{9.98\,R}{3.971\,R + 3.9421}$$

Plot



Alternate forms assuming R is real

$$\frac{1.94427}{R + 0.992722} = 1$$

$$1.23 = \frac{9.98\,R}{3.971\,R + 3.9421} + 0$$

Alternate form assuming R>0

$$1.23 = \frac{2.51322\,R}{R + 0.992722}$$

Alternate form

$$1.23 = \frac{2.51322\,R}{R + 0.992722}$$

Alternate form assuming R is positive

$$R = 0.95155 \quad (\text{for } R \neq -0.992722)$$

Number line

Solution

Step-by-step solution

$$R \approx 0.95155$$

POWERED BY THE **WOLFRAM LANGUAGE**

Related Queries:

- plot 1.23 - ((1.996 (x + i y)) 5)/(1.975 1.9…
- domain of 1.23 - ((1.996 R) 5)/(1.975 1.9…
- plot3d arg(1.23 - ((1.996 (x + i y)) 5)/(1.9…
- Mathematica function Reduce
- cross-hatched image Slapstick-like curve