

$$3,250r - 0,102 = r + 1,2564r^2$$

$$1,2564r^2 - 2,250r = -0,102$$

$$r^2 - \frac{2,250}{1,2564}r = -\frac{0,102}{1,2564}$$

$$r^2 - 1,7705r = -0,081185$$

$$r = \frac{1,7705}{2} + \sqrt{\left(\frac{1,7705}{2}\right)^2 - 0,081185}$$

$$= 0,8852 + \sqrt{0,70248}$$

$$= 0,8852 + 0,8381 = 1,7233$$
