Assignment 10.5.3_18Q

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QUESTION

A spiral is made up of successive semicircles,with centres alternately at A and B,starting with centre at A,of radii $0.5cm, 1.0cm, 1.5cm, 2.0cm$,... as shown in Fig.5.4.what is the total length of such a spiral made up of thirteen consecutive semicircles?(Take $\pi = \frac{22}{7}$)
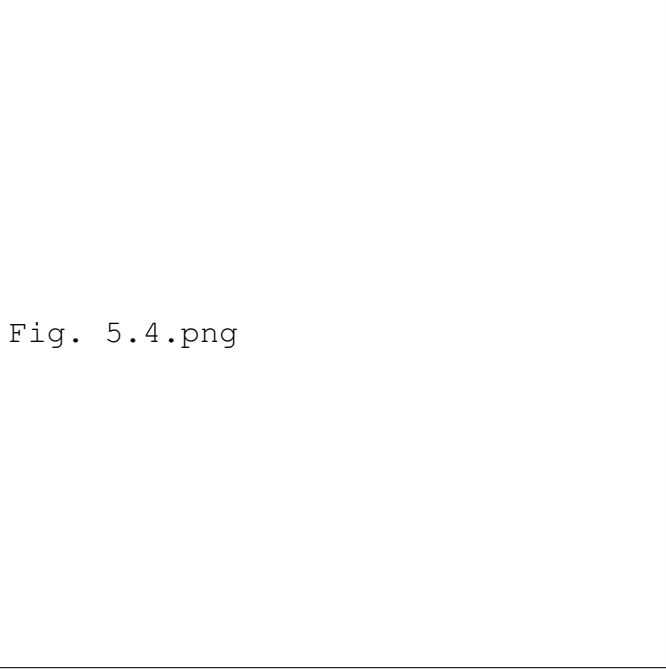
Fig. 5.4.png

Fig. 1. 5.4.