

Answer on Question #45345 – Physics –Mechanics, Kinematics, Dynamics

Question:

Your favorite FM radio station has a wavelength of 2.829 meters. Convert that length to feet using the centimeter to inch conversion factor.

Answer:

As you know in 1 meter is 100 centimeter;

So in 2.829 meter will be 282.9 centimeter.

In 1 centimeter is 0.3937 inch;

So in 282.9 centimeter is **X** inch.

Than **X** = $282.9 * 0.3937 / 1 = 111.37773 \approx 111.4$ inch.

Answer: in 282.9 centimeter is **111.4 inch**.