Find direction of maximum increase in $F(x,y,z)=x^2+y^2+2z$ at the point (1, 1, 1).

 0.58a_x+0.58a_y+0.58a_z
 0.58a_x+0.58a_y
 0.58a_x+0.58a_y
 1.58a_x+1.58a_y
 1.58a_x+1.58a_y+1.58a_z

If a signal in time domain is imaginary and odd then its corresponding Fourier transform is:

- [°] real and even
- [©] imaginary and even
- ^C imaginary and odd
- real and odd

If wheel encoder is used with 4 ticks and R is 10CM. How many ticks do we need to drive approximately 10 meters?

- [©] 80 ticks
- ^O 33 ticks
- [•] 64 ticks
- [©] 16 ticks