Bisection Method: (Solution of Algebraic & Thanscedental Egn)

This method is based on the repeated application of intermediate value property.

Let fax be continuous blue a & b.

And let.

t(a) be -ve & t(b) be +ve

Inen the approximation of the root is,

$$96_1 = \frac{0+6}{2}$$

If t(n) =0 then new is ment of t(x) =0

Otherwise the root lies bolio a & no on no so paccording as for is the one -re.

Then ere birect the internal as before a continue the process until the root is found accurately.

