

AUTO CAD

INTRODUCTION:

CAD(Computer Aided Drafting and design) as the name itself suggests is much more than just drawing lines for design purposes by electronic means. There are various reasons for using CAD:

- The most potent driving force is competition. Companies used CAD to draft better designs quicker and much more cheaper than their competitors
- Productivity is boosted by a CAD program enabling you to easily draw polygons, ellipses multiple parallel lines that comprise a design.
- Various automatic features like fillets and chamfers help increase the speed of designing.
- The ability of the software to "snap" automatically to create particular geometric points and features will spread the accurate positioning of line work.
- Copy, Rotate and mirror facilities also come in very handy while drawing symmetrical parts.
- Another advantage of a CAD system is its ability to store entities, which are frequently applied on drawings.

COORDINATE SYSTEM :

There are three different types of coordinate systems they are

1. Absolute coordinate system
2. Relative Rectangular coordinate system
3. Relative polar coordinate system

Absolute coordinate System:

In the absolute coordinate system all points are measured from the origin(0,0) . They are suited to situations where you know the exact X and Y location of the point you want to place.

To enter an absolute coordinate use the format (X,Y) Where X is the distance and direction along the horizontal axis from the origin (0,0) and Y is the distance and direction along the vertical axis from the origin (0,0)

Relative Rectangular Coordinate system:

Autocad User Manual

RJ Alexander



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5 1 1 main intake structure the intake structure is built at the entry to the irrigation system see fig 70 its purpose is to direct water from the original source of supply lake river reservoir

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this chapter describes different types of field intake structures and discusses how they are matched to local conditions 2 1 methods of water intake the next four figures

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4 4 1 2 2 intake the intake structure is the connection between the headwater and penstock or turbine usually at the entrance of the intake there is a screen responsible for keeping

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web since the mole fraction of the o 2 is 0 050 it contributes 0 050 or if you will 5 0 of the total pressure thus total pressure is 0 21 0 050 4 2 atm problem 9 a sample of 1 43 g of helium and an unweighed quantity of o 2 are mixed in a flask at room temperature