## How to draw an arc with a specific arc length?

1087 GstarCAD Malaysia April 14, 2022 Tips & Tricks 0 20715

There are some methods that seem to allow you define an arc length. For example; start, center, length. But this is defining the chord length, not the arch length.

Calculating the angle using simple mathematics calculation, comparing the arch radius and arch length. After you get the angle value, then you can draw it. But it is not easy!

A better solution is drawing the arch, then modify it using LENGTHEN command. Lengthen command allows you to define the object total length, including an arch. Select the total length option, then type the distance you want.



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Now if you try to inquiry or see the arc properties, you will see the arch has the exact length I wanted.

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Start Z	0	
Center X	3101.522	
Center Y	3171.2321	
Center Z	0	
End X	3080.2727	1
End Y	3155.0642	$Z = - \chi$
End Z	0	(* * * * * * * * * * * * * * * * * * *
Radus	26.7008	
Start angle	3	
End angle	217	
Total angle	215	Commenting
Arc length	100	Select as chieved or IDBta /Respect /Total /DVsamic). T
Area	1537.3769	Specify total length or [Angle] <1.0000>:100
Normal X	0	Select an object to change or [Undo]:
Normal Y	0	<ul> <li>Select an object to change or [Undo]: "Cancel"</li> </ul>
Normal Z	1	Command.

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