CYCLOIDS

WORLD ASSOCIATION OF TECHNOLOGY TEACHERS https://www.facebook.com/groups/254963448192823/

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30 DEGREE SLOPE

THE CIRCUMFERENCE OF THE CIRCLE HAS A POINT MARKED ON IT AS A DOT. THE CIRCLE ROLLS ALONG A 'FLAT' SURFACE FOR THE EQUIVALENT OF FOUR SECTOR DIVISIONS. IT THEN CONTINUES TO ROTATE AS IT ROLLS DOWN A 30 DEGREE SLOPE FOR A DISTANCE OF EIGHT SECTORS. COMPLETE THE CYCLOID (CURVE) PRODUCED, AS THE CIRCLE CONTINUES TO ROLL DOWN THE 30 DEGREE SLOPE.



HELPFUL LINK



HELPFUL LINK: https://technologystudent.com/despro_3/cycloid2.html

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QUESTION

CYCLOIDS

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³⁰ DEGREE SLOPE



HELPFUL LINK



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QUESTION

THE CIRCUMFERENCE OF THE CIRCLE HAS A POINT MARKED ON IT AS A DOT. THE CIRCLE ROLLS ALONG A 'FLAT' SURFACE . IT THEN CONTINUES TO ROTATE AS IT ROLLS DOWN A 30 DEGREE SLOPE. DRAW THE CYCLOID (CURVE) PRODUCED, FOR ONE REVOLUTION OF THE CIRCLE.