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**Some results on the elliptic cycloid. (Alcuni risultati sulla cicloide ellittica.)**

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Summary: The present work can be placed in the context of classical studies relating to the “roulette”. Consider an ellipse rolling on a straight line; we intend to determine the area subtended by the curve generated by a point located at the endpoint of an axis of the ellipse during a complete rolling. We find a general formula, given by:  $A_{CE} = (2\alpha a^2 + b^2)\pi$ , where it is assumed that the point is located at an endpoint of the axis  $a$ ; this result includes the particular case of the area subtended by the ordinary cycloid (the corresponding formula was proved by Torricelli in 1644).

*Classification:* G70

*Keywords:* elliptic cycloid