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**Some Trigonometric and Elliptic Integrals**

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**Abstract.** Simultaneous identities involving elliptic integrals of the first and second kinds, evaluated at the roots of a very simple trigonometric polynomial, are given. There are two parameters  $m \in \mathbb{N}$ ,  $k \in \mathbb{R}^+$  and just the cases  $m = 1, 2, 3, 4$  are treated, the remainder being offered as a problem. The identities originate in the evaluation of some trigonometric integrals which start the paper.

**Keywords.** Elliptic integral, Jacobian, trigonometric.

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