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Prasanna K Sahoo* (sahoo@louisville.edu), Department of Mathematics, University of Louisville, Louisville, KY 40292. *On a Sincov type functional equation.*

In this talk we present the most general solution $f_1, f_2, f_3 : G^2 \rightarrow H$ and $f : G \rightarrow H$ of the Sincov type functional equation $f_1(x, y) + f_2(y, z) + f_3(z, x) = f(x + y + z)$ for all $x, y, z \in G$ without any regularity assumption. Here G and H are additive abelian groups, and the division by 2 is uniquely defined in H . (Received August 29, 2006)