Geoffrey Dixon
Toward ternary **C**

Abstract: In which the binary product algebra of complex numbers, **C**, is generalized to a ternary product algebra, $\mathbf{C}_3$.

References

[1] Conway J.H., Sloane N.J.A., *Sphere Packings, Lattices and Groups*, second edition, Springer, New York, 1993.
[2] Wilson R.A., *Octonions and the Leech lattice*, J. Algebra **322** (2009), no. 6, 2186–2190.
[3] Cederwall M., Preitschopf C.R., S^7 *and* $\widehat{S^7}$, Comm. Math. Phys **167** (1995), 373–393.
[4] Dixon G.M., *Octonion XY-Product*, hep-th 9503053.
[5] Dixon G.M., *Integral Octonions, Octonion Multiplication, and the Leech Lattice*, http://www.7stones.com/Homepage/8Lattice.pdf.
[6] Dixon G.M., *Hyperalgebra*, http://www.7stones.com/Homepage/24x24x24.pdf.
[7] Dixon G.M., *Division Algebras: Family Replication*, J. Math. Phys. **45** (2004), 3878.