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**Liping Huang** and **Wasin So\*** ([so@mathcs.sjsu.edu](mailto:so@mathcs.sjsu.edu)), , San Jose, CA 95192. *Quadratic Formulas for Quaternions.*

In this talk, we derive the explicit formulas for computing the roots of a quaternionic quadratic polynomial. The number of possible roots is also discussed. (Received August 30, 2000)