

1106-11-706

Richard C. Burge*, rchrdbrg@gmail.com. *A Jacobi-Perron Variant and Hermite's Problem.* Preliminary report.

A new variant of the classical Jacobi-Perron algorithm will be introduced. Experimental data will be presented suggesting this single algorithm, whose domain is all the real numbers, finds a periodic representation for precisely those numbers which are cubic irrationalities. (Received September 04, 2014)