1086-11-778   **Bryden R Cais*** (`cais@math.arizona.edu`), Dept of Mathematics, 617 N. Santa Rita Ave,
Tucson, AZ 85721. *Iwasawa theory of the Igusa tower.*

We study the structure of the p-torsion of the $\mathbf{Z}_p$-tower of Jacobians of Igusa curves over $\mathbf{F}_p$, and we prove control theorems for the etale and multiplicative parts of these group schemes. (Received September 12, 2012)

1