

1084-57-204 **Mark Powell*** (macp@indiana.edu), Rawles Hall, 831 E 3rd street, Bloomington, IN 47405.
Algebraic surgery on 4 manifolds. Preliminary report.

I will discuss joint work in progress with Kent Orr in which we develop a programme to apply the algebraic surgery machine of Andrew Ranicki to 4 manifolds, producing new invariants of knot concordance. (Received September 01, 2012)