1053-57-300   **Abhijit Champanerkar*** (`abhijit@math.csi.cuny.edu`), Departmen of Mathematics, College of Staten Island, CUNY, 2800 Victory Boulevard, Staten Island, NY 10314, and **Ilya Kofman** (`ikofman@math.csi.cuny.edu`), Department of Mathematics, College of Staten Island, CUNY, 2800 Victory Boulevard, Staten Island, NY 10314. *On Jones polynomials of closed braids with a full twist.*

Let L be a closed n–braid with a full positive twist, and with up to n negative crossings. We show that the Jones polynomial of L satisfies a braid index constraint, which is a gap between the first two non-zero coefficients of $(1-t^2)\cdot V_L(t)$. (Received September 07, 2009)