

1138-05-240

Ahmad Abdi* (a3abdi@uwaterloo.ca), 200 University Ave W, Waterloo, ON N2L 3G1, Canada, and **Bertrand Guenin** (bguenin@uwaterloo.ca), 200 University Ave W, Waterloo, ON N2L 3G1, Canada. *The f-flowing conjecture.*

Take a signed binary matroid. When do the odd circuits form an ideal clutter? Seymour's 1977 f-flowing conjecture predicts that there are only three excluded minors for this minor-closed property, namely the odd- K_5 , the odd- F_7 as well as a specially signed R_{10} . We prove that these are the only excluded minors with an odd circuit or signature of size 3. Using this result, we show that in every blocking pair of excluded minors and through every element, one of them has a signed F_7 minor with six odd elements. (Received February 10, 2018)