

1086-11-341 **Pace P. Nielsen*** (pace@math.byu.edu), 318 TMCB, Brigham Young University, Provo, UT
84602. *An approach to odd covering systems.*

It is an open question whether there exists a covering system with all the moduli odd. Using a greedy algorithm one is left with the impression that such a covering system cannot exist. However, an example of Morikawa demonstrates that the greedy algorithm is not the most efficient option available. Using ideas from Gibson, we improve Morikawa's example and suggest another avenue. (Received August 22, 2012)