1099-47-137 **Darren C. Ong*** (darren.ong@rice.edu), Math Department MS-136, Rice University, 6100 Main St, Houston, TX 77005. *Purely singular continuous spectrum for CMV operators generated by the period doubling subshift.*

The period doubling word is a substitution sequence generated by the substitution on $\{a, b\}$ given by $S(a) = ab, S(b) = aa$, so that the word begins with $abaaabab\ldots$. There is a significant body of literature on studying discrete Schrödinger operators whose potential corresponds to the dynamical subshift generated by this word. We adapt one of the results to the CMV operator context, that is, we prove absence of point spectrum for all CMV operators generated by this period doubling subshift. (Received February 04, 2014)