

### **On even $[2, b]$ -factors in graphs**

For each even integer  $b \geq 2$  we prove that a graph  $G$  with  $n$  vertices has an even  $[2, b]$ -factor if  $G$  is 2-edge connected and each vertex of  $G$  has degree at least  $\max\{3, \frac{2n}{b+2}\}$ .