## Recent progress in cyclic coloring

Stanislav Jendrol'<br>(joint work with Roman Soták)

Let $G$ be a connected plane graph. The cyclic coloring of $G$ is a vertex coloring in which two vertices must have different colors if they are incident with the same face of $G$. The problem is to determine the minimum number of colors in such a coloring of $G$.
In the talk we will present some new upper bounds on this minimum for plane graphs that are subdivision of simple 3 -connected plane graphs.

