Classes	Vertex-partitions	References
Planar graphs	$(\mathcal{I}, \mathcal{I}, \mathcal{I}, \mathcal{I})$	The Four Color Theorem
	$(\mathcal{I},\mathcal{F},\mathcal{F})$	Borodin
	$(\mathcal{F}_2,\mathcal{F}_2,\mathcal{F}_2)$	Poh
	$(\mathcal{F},\mathcal{D}_2)$	Thomassen
	$(\mathcal{I},\mathcal{D}_3)$	Thomassen
Planar graphs with girth 4	$(\mathcal{I},\mathcal{I},\mathcal{I})$	Grötzsch
	$(\mathcal{F},\mathcal{F})$	Folklore
	$(\mathcal{F}_5,\mathcal{F})$	Present paper (Theorem ??)
	$(\mathcal{I},\mathcal{F})$	Open question (Question ??)
Planar graphs with girth 5	$(\mathcal{I},\mathcal{F})$	Borodin and Glebov