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Colouring Line Tilings

Let L be a collection of finitely many straight lines in general position in $\mathbb{E}^2$. L naturally partitions the plane into 2-dimensional faces, 1-dimensional faces, and 0-dimensional faces and we call this partition a *line tiling* of $\mathbb{E}^2$. We consider the problem of colouring the 1-faces of a line tiling such that 1-faces that are incident at a 0-face are assigned different colours. We show that four colours are always nessecary and sufficient to colour the 1-faces of a line tiling.