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Summary. A precise mathematical definition is given for spiral plane tilings. It is not restricted to monohedral tilings and is tested on a series of examples from the literature. Unwanted cases from regular tilings can be excluded. In case of one single arm a modified definition can be applied. Also the special case of locally infinite tilings with one singular point can be treated with any number of spiral arms. The question whether such a definition in mathematical terms could be given was posed by Grünbaum and Shephard in the late 1970s.

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PINEMI PUZZLE

7		7	5		6		6		
		11				6		8	5
	10			11	7		6		
4	10			11			6	6	
	6		11						9
6		10		7	7		9		
			6		8	9		12	9
	9	6	5	8					
		5		9			12		
	5				7	8		6	

How to play. Place one jamb (|), two jambs (||) and three jambs (|||) in empty cells, where numbers indicate how many of jambs in the surrounding cells (including diagonally adjacent cells), and each row (column) has 10 jambs. There cannot be a jamb in any cell that contains a number.

The solution is on page 57.

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