



# Computer-Assisted Generation of Patterns and Virtual Reality Techniques for Fashion Design

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Mots-clés	3D interaction techniques [7], aesthetic patterns [8], automatic generation [9], fashion design [10], virtual reality [11]
Résumé en anglais	<p>We present a methodology for the design of aesthetic patterns and their visualization on virtual clothes. Generated patterns are directly mapped on the dress of a virtual mannequin. Furthermore, patterns sets may be interactively mapped on the virtual dress using a specific 3D interaction technique called Back-and-Forth. Pattern generation involves different mathematical approaches such as iterated function systems (IFS) and nonlinear trajectory models. Both model parameters and color space exploration is performed through a simple user interface. This work contributes to promote both computer assistance in the context of mass customization for fashion design.</p>
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## Liens

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[2] <http://okina.univ-angers.fr/paul.richard/publications>

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[4] [http://okina.univ-angers.fr/publications?f\[author\]=2384](http://okina.univ-angers.fr/publications?f[author]=2384)

- [5] [http://okina.univ-angers.fr/publications?f\[author\]=2201](http://okina.univ-angers.fr/publications?f[author]=2201)
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