Familles orthogonales et semigroupes en analyse et probabilités

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Résumé en anglais	The Workshop CIMPA-UNESCO ``Orthogonal families and semigroups in analysis and probability'' was held in 2006 in Mérida, Venezuela and was organized with the collaboration of three Venezuelian universities(UCV, USB and ULA). The objective of the Workshop was to present the modern theory of operator semigroups, related to polynomial orthogonal expansions. This theory comprises nowadays a vast body of knowledge and has interconnections with several other areas, including harmonic analysis, probability, random matrices, stochastic calculus and control theory. The chapters of this volume originate from the lectures of this Workshop and they stress the interplay of all these domains.
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