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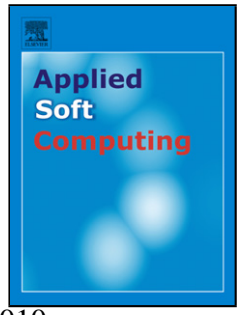

Title: Some Sets of Orthogonal Polynomial Kernel Functions

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Highlight

1. Two new kinds of orthogonal polynomial kernels are proposed.
2. The construction methods of some sets of orthogonal polynomial kernels are compared.
3. The similarities and differences among these kernels are highlighted.
4. The experimental results reveal the effectiveness of orthogonal polynomial kernels.
5. The guide to the usage of orthogonal polynomial kernels is given for actual applications.

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