WAVELET ANALYSIS ON SOME SURFACES OF REVOLUTION

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We give a simple method for constructing a preserving area projection from a surfaces of revolution $\mathcal{M}$ onto the plane perpendicular to the rotation axis. Then we use this projection for constructing a multiresolution analysis and a continuous wavelet transform, starting from the existing planar constructions. Thus, the wavelets on $\mathcal{M}$ inherit all the properties of the corresponding planar wavelets and is a simpler alternative to the constructions in [2, 3]. A complete description of construction is presented in [1].

REFERENCES

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