

**OPTIMAL ALTERNATIVE TO THE AKIMA'S
METHOD OF SMOOTH INTERPOLATION
APPLIED IN DIABETOLOGY**

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Abstract. It is presented a new method of cubic piecewise smooth interpolation applied to experimental data obtained by glycemc profile for diabetics. This method is applied to create a soft useful in clinical diabetology. The method give an alternative to the Akima's procedure of the derivatives computation on the knots from [1] and have an optimal property.

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