

## عنوان مقاله:

Blood glucose control for type 1 diabetic patients using interval valued type 2 fuzzy set

## محل انتشار:

کنفرانس بین المللی علوم و مهندسی (سال: 1394)

تعداد صفحات اصل مقاله: 10

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## خلاصه مقاله:

Diabetes is a metabolic disorder that leads to ineffective of glucose in body energy source and body's cells, resulting in considerable damage to various organs of human body. The main factor influencing type 1 diabetes is the low production of insulin and absence of production in insulin by the pancreas. In this paper, we try to be design a suitable controller for blood glucose level in order to changes parameters and disturbance created using scientific and medical suit control. For this purpose, a non-linear mathematical equation called augmented minimal model has been used. In order to control the process, fluctuations and uncertainty, the system of interval type2 fuzzy system and mamdani approach were used for modeling and reducing the conclusion of type 2 fuzzy system by the use of karnik mendel .algorithm

## کلمات کلیدی:

type1 diabetes, blood glucose, augmented minimal model, type2 fuzzy set

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/424547>

