

# On Some Differential Inequalities For First Order Fuzzy Differential Equations

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**Abstract:** In this paper, several comparison results for first order fuzzy differential equations are proved via technique of upper and lower solutions. Also, some comparison results are evidenced under initial time difference. Hukuhara derivative, Hukuhara difference and partial orderings are used to prove theorems. Besides, applicability of this comparison results are shown by giving an example.

**Keywords:** Fuzzy Upper and Lower Solutions, Fuzzy Differential Equations, Hukuhara Difference, Hukuhara Derivative, Partial Ordering

## REFERENCES

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