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Document Title : Comparing Various Definitions of Almost Continuous Functions

مقارنة التعاريف المختلفة للدوال شبه المتصلة

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Abstract : The main aim of the present research is compare various types of almost continuity and their relationship to weak continuity. Some characterization theorems for weakly continuous functions are proved. We make a comprehensive study of the properties of a.c.H and a.c.SS. functions and give examples to show that the notions of a.c.H. and a.c.SS. are independent of each other. We show that neither a.c.H. implies w.c. nor w.c. implies a.c.H. we establish a condition under which a w.c. function is both a.c.H. and a.c.SS

Supervisor : أ.د. محمد علي الغامدي ، د. بشير أحمد سليمي

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