SOME REMARKS ON THE PAPER "ON THE SET OF SOLUTIONS FOR THE DARBOUX PROBLEM FOR FRACTIONAL ORDER PARTIAL HYPERBOLIC FUNCTIONAL DIFFERENTIAL INCLUSIONS"

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Abstract. In this note we point out some errors in the paper "On the set of solutions for the Darboux problem for fractional order partial hyperbolic functional differential inclusions" by S. Abbas and M. Benchohra published in Fixed Point Theory, vol. 14, no. 2, 2013, 253-262.

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REFERENCES

[1] S. Abbas, M. Benchohra, *On the set of solutions for the Darboux problem for fractional order partial hyperbolic functional differential inclusions*, Fixed Point Theory, **14**(2013), 253-262.

[2] S. Abbas, M. Benchohra, *On the set of solutions of fractional order Riemann-Liouville integral differential inclusions*, Demonstratio Math., **46**(2013), 271-281.

[3] A. Cernea, *On the set of solutions of some nonconvex nonclosed hyperbolic differential inclusions*, Czechoslovak Math. J., **52(127)**(2002), 215-224.

[4] F.S. De Blasi, G. Pianigiani, V. Staicu, *On the solution sets of some nonconvex hyperbolic differential inclusions*, Czechoslovak Math. J., **45**(1995), 107-116.

[5] S. Marano, V. Staicu, *On the set of solutions to a class of nonconvex nonclosed differential inclusions*, Acta Math. Hungarica, **76**(1997), 287-301.