



The earth crust surface movements in SW Poland from GPS and leveling data

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Permanent and periodic satellite GPS observations in SW Poland are realized since 1996. The results of these observations are the base of the earth crust surface movements determination. Values of these movements are significant for horizontal as well as vertical components. Results of vertical movements were compared with the vertical movements obtained by repeated leveling measurements performed in the 50'ties and 70'ties of the 20th Century. In the paper the calculated movements are discussed in relation to geology and tectonics.