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Editorial

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Editorial

FOR a long time research in analysis has been mostly concerned with linear problems. This was probably due to the fact that the methods of linear analysis were sufficiently general to account for most problems which appeared in practice. In contrast, nonlinear problems were mostly handled by ad hoc techniques; and no general picture seemed to develop.

All this has changed in the past few years, and it is now clear that nonlinear analysis is reaching maturity. More and more scientists work on more and more difficult nonlinear problems. There have been great achievements, present to every mathematician's mind, but there has also been a continuous advance on the whole range of nonlinear analysis, and a constant exchange with scientists of all fields, physicists, chemists, biologists, economists.

This is why the series « Nonlinear Analysis » of the « Annales de l'I. H. P. » is being started. The two other series, « Theoretical Physics » and « Probability », are already well-established, and have been renovated in 1983, while the Institut Henri-Poincaré itself is being reformed. « Annales de l'I. H. P.: Nonlinear Analysis » will be an international mathematical journal, publishing in French and in English. It will be open to papers in all fields, as long as the problem treated results in a new and significant result in nonlinear analysis. The editorial policy will be to achieve and maintain the highest scientific standards so that the most important results will reach quickly a broad international audience. We hope in this way to serve the scientific community, and to contribute to the development of nonlinear analysis.

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