

## Differential Geometry

The contribution of the IM-AGIMB to the progress of mathematical research and to the training new researchers was of fundamental importance by promoting the planning and organization of high level activities. In fact, without the support of IM-AGIMB, these activities would never have the importance they actually represented for the development of the area of Differential Geometry in the country. Its existence means a tremendous effort to maintain an international high level standard of research in Brazil. IM-AGIMB made it possible to give a strong support to the mobility of the geometers all over the country, promoting their participation (many of them coming from distant places) in the different events promoted by IM-AGIMB (the two National Schools of Differential Geometry in Goiânia and São Paulo, the Workshops of Maceió and Canela, the Summer Schools of Fortaleza), as well as the presence of invited researchers in universities and research institutes. Moreover, with the support of IM-AGIMB, it became possible to bring to Brazil outstanding foreign mathematicians who contributed decisively for the success of the events. These researchers also visited several universities and research institutes. IM-AGIMB made possible the insertion in the geometers' research web of new researchers who finished recently their Ph.Ds. in high level national or foreign institutions, giving a fundamental contribution to new partnerships in research works. These partnerships are producing new topics of research, as well as the use of new techniques in problems traditionally investigated by Brazilian geometers. It is also fundamental to point out that this intense mobility promoted by IM-AGIMB propitiated a more frequent contact among researchers and young promising mathematical students, stimulating them to pursue their Ph.Ds, especially in Differential Geometry. As an immediate result of the strong and sustained interaction among national and international researchers in the country, promoted by IM-AGIMB, there was a sharp increase both in quality and in the number of research articles published by the group, as it can be seen in the full report of activities in the area.