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Título: Supported Blow-Up And Prescribed Scalar Curvature On S^n

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Precio: \$1120.00

Editorial:

Año: 2011

Tema:

Edición: 1ª

Sinopsis

ISBN: 9780821853375

The author expounds the notion of supported blow-up and applies it to study the renowned Nirenberg/Kazdan-Warner problem on S^n . When $n=5$ and under some mild conditions, he shows that blow-up at a point with positive definite Hessian has to be a supported isolated blow-up, which, when combined with a uniform volume bound, is a removable singularity. A new asymmetric condition is introduced to exclude single simple blow-up. These enable the author to obtain a general existence theorem for $n=5$ with rather natural condition.