Google Drive



Geometry of Hypersurfaces (Springer Monographs in Mathematics)

Thomas E Cecil, Patrick J. Ryan

Download now

Click here if your download doesn"t start automatically

Geometry of Hypersurfaces (Springer Monographs in Mathematics)

Thomas E Cecil, Patrick J. Ryan

Geometry of Hypersurfaces (Springer Monographs in Mathematics) Thomas E Cecil, Patrick J. Ryan

This exposition provides the state-of-the art on the differential geometry of hypersurfaces in real, complex, and quaternionic space forms. Special emphasis is placed on isoparametric and Dupin hypersurfaces in real space forms as well as Hopf hypersurfaces in complex space forms. The book is accessible to a reader who has completed a one-year graduate course in differential geometry. The text, including open problems and an extensive list of references, is an excellent resource for researchers in this area.

Geometry of Hypersurfaces begins with the basic theory of submanifolds in real space forms. Topics include shape operators, principal curvatures and foliations, tubes and parallel hypersurfaces, curvature spheres and focal submanifolds. The focus then turns to the theory of isoparametric hypersurfaces in spheres. Important examples and classification results are given, including the construction of isoparametric hypersurfaces based on representations of Clifford algebras. An in-depth treatment of Dupin hypersurfaces follows with results that are proved in the context of Lie sphere geometry as well as those that are obtained using standard methods of submanifold theory. Next comes a thorough treatment of the theory of real hypersurfaces in complex space forms. A central focus is a complete proof of the classification of Hopf hypersurfaces with constant principal curvatures due to Kimura and Berndt. The book concludes with the basic theory of real hypersurfaces in quaternionic space forms, including statements of the major classification results and directions for further research.

Download Geometry of Hypersurfaces (Springer Monographs in ...pdf

Read Online Geometry of Hypersurfaces (Springer Monographs i ...pdf

Download and Read Free Online Geometry of Hypersurfaces (Springer Monographs in Mathematics) Thomas E Cecil, Patrick J. Ryan

---

From reader reviews:

Marlon Hood:

What do you ponder on book? It is just for students as they are still students or that for all people in the world, the particular best subject for that? Only you can be answered for that concern above. Every person has distinct personality and hobby for every other. Don't to be compelled someone or something that they don't desire do that. You must know how great as well as important the book Geometry of Hypersurfaces (Springer Monographs in Mathematics). All type of book could you see on many resources. You can look for the internet solutions or other social media.

Glenna Monaghan:

This Geometry of Hypersurfaces (Springer Monographs in Mathematics) are generally reliable for you who want to certainly be a successful person, why. The reason of this Geometry of Hypersurfaces (Springer Monographs in Mathematics) can be among the great books you must have is giving you more than just simple examining food but feed anyone with information that might be will shock your preceding knowledge. This book is definitely handy, you can bring it everywhere you go and whenever your conditions throughout the e-book and printed versions. Beside that this Geometry of Hypersurfaces (Springer Monographs in Mathematics) giving you an enormous of experience like rich vocabulary, giving you trial of critical thinking that we understand it useful in your day task. So , let's have it appreciate reading.

Jessica Jones:

Reading a book tends to be new life style in this era globalization. With reading you can get a lot of information that may give you benefit in your life. Using book everyone in this world can share their idea. Textbooks can also inspire a lot of people. A great deal of author can inspire their very own reader with their story or perhaps their experience. Not only the storyplot that share in the guides. But also they write about advantage about something that you need case in point. How to get the good score toefl, or how to teach your children, there are many kinds of book that you can get now. The authors on this planet always try to improve their expertise in writing, they also doing some investigation before they write to the book. One of them is this Geometry of Hypersurfaces (Springer Monographs in Mathematics).

Kenneth Matson:

Your reading sixth sense will not betray a person, why because this Geometry of Hypersurfaces (Springer Monographs in Mathematics) e-book written by well-known writer who really knows well how to make book that could be understand by anyone who else read the book. Written inside good manner for you, dripping every ideas and producing skill only for eliminate your own personal hunger then you still uncertainty Geometry of Hypersurfaces (Springer Monographs in Mathematics) as good book not just by the cover but also by content. This is one reserve that can break don't judge book by its deal with, so do you still needing an additional sixth sense to pick this particular!? Oh come on your looking at sixth sense already

told you so why you have to listening to another sixth sense.

Download and Read Online Geometry of Hypersurfaces (Springer Monographs in Mathematics) Thomas E Cecil, Patrick J. Ryan #H8R1YBJTANW

Read Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan for online ebook

Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan books to read online.

Online Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan ebook PDF download

Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan Doc

Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan Mobipocket

Geometry of Hypersurfaces (Springer Monographs in Mathematics) by Thomas E Cecil, Patrick J. Ryan EPub