



In 1991, Scribner's published an unusual biography by an unsuccessful mechanical engineer turned writer. Come 2016, it went on to have more than 16 reprints and 30 translations. Though it is a biography, the central theme of the book is the proof of the rare relationship between 'the Prince of Intuition' and the 'the Apostle of Proof.' Last April as a motion picture, it hit the screens across the globe. Infinity is infinity because it is infinity. Robert Kanigel named Srinivasa Ramanujan as 'the man who knew infinity.' There is no fitting title to Ramanujan than this. The reply by Ramanujan to Hardy when he was asked proofs for the countless mathematical statements posted by him: "You wanted to know how I get my ideas. God speaks to me" is itself the proof for it. If God had spoken to Ramanujan, then he definitely knew Him, the infinity.

In the last couple of decades there is an ever growing enthusiasm among the mathematicians all over the world on learning about Ramanujan and his works. Both the biography and the biopic have fuelled this enthusiasm to an exponential level. Ramanujan continues to be the most celebrated Indian Mathematician. The year 2016 is another great year for Number Theorists. The Abel Prize for 2016 is awarded to Sir Andrew J. Wiles, University of Oxford, "for his stunning proof of Fermat's Last Theorem by way of the modularity conjecture for semistable elliptic curves, opening a new era in number theory." Number Theory is all about theorems and proofs. Hardy says, "young men should prove theorems, old men should write books."

This issue of Mapana comes with a good amount of interesting theorems and their proofs. The first article is by H. P. Patil of Pondicherry Central University. He writes about some characterizations and Helly-property in  $k$ -trees. In the second article S. Sethu Ramalingam, I. Keerthi Asir and S. Athisayanathan bring out more than a dozen of theorems, lemmas and corollaries and their proofs on vertex triangle free detour number and vertex triangle free detour sets. Some of the theorems are realization theorems.

Esther Daniel and P. Srinivasan investigate the  $k$ -local chromatic number of the Jahangir graphs. In addition to this, some characteristics of the  $k$ -locally rainbow graphs are also studied in their article. R. Rajarajachozhan, a young research scholar of Annamalai University, Tamil Nadu attempts to explain some results on the Rosa-type labelings of graphs in the fourth article. The last article is by J. M. Prabakar and S. Athisayanathan of St. Xavier's College (Autonomous), Palayamkottai, Tamil Nadu. Certain general properties of the detour distance, weak edge detour set, connected weak edge detour set, connected weak edge detour number and connected weak edge detour basis of graphs are defined and elaborated by them. For Graph Theorists, this issue is a platter of finely cooked theorems and proofs. We wish the readers a quite engaging time.

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