

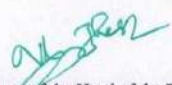
International Webinar on Recent Advances in Graph Theory

Two days International Webinar on “Recent Advances in Graph Theory” was organized by Department of Mathematics, Alagappa University, Karaikudi on 29th and 30th May 2020. Prof. N. Anbazhagan, Head of the Department of Mathematics welcomed the gathering. Prof. N. Rajendran, the Honorable Vice-chancellor of Alagappa University presided the Webinar. The eminent speakers Prof. Ayman Badawi, American University of Sharjah, Sharjah., Dr. C. Sivagnanam Sur College of Applied Sciences, Sultanate of Oman, Dr. T. Asir Madurai Kamaraj University, Madurai and Dr. G. Mahadevan Gandhigram Rural Institute, Gandhigram gave special lectures on various topics.

Report of online Programme

Name of the Department: School of Mathematics.

S. No.	Date & Time	Name of the Online Educational Activities undertaken (Webinars / Conferences / Lectures / Discussions / FDP/ etc.)	Title of the Webinar / Lecture/Discussion	No. of participants registered	No. of participants benefited	Name address of the resource person	Outcome of the programme
1	29.05.2020 (10.30a.m. – 11.30 a.m.) and (2.30p.m. to 3.30 p.m.)	International Webinar	International Webinar on Recent Advances in Graph Theory	548	310	1. Prof Ayman Badawi American University of Sharjah, Sharjah. 2. Dr. T. Asir Madurai Kamaraj University, Madurai, India.	1. It's very useful to young researchers. 2. Motivate the students to do research in Graph Theory. 3. sharing the knowledge of advanced research methods in graph theory.
	30.05.2020 (10.30a.m. – 11.30 a.m.) and (2.30p.m. to 3.30 p.m.)	International Webinar	International Webinar on Recent Advances in Graph Theory	548	310	1. Dr. C. Sivagnanam Sur College of Applied Sciences, Sultanate of Oman. 2. Dr. G. Mahadevan Gandhigram Rural Institute, Gandhigram, India	1. It's very useful to young researchers. 2. Motivate the students to do research in Graph Theory. 3. sharing the knowledge of advanced research methods in graph theory.


Signature of the Head of the Department

Dr. N. ANBAZHAGAN
PROFESSOR & HEAD
DEPARTMENT OF MATHEMATICS
ALAGAPPA UNIVERSITY
KARAIKUDI - 630 004

Figur: Spheres to Tiers

Air (2020-05-29 at 02_04 GMT-7)

As the following theorem shows, the Ramsey number $R_{k,m}(n)$ with respect to the class of k -positive cone graphs is not always symmetric in n and m .

Theorem 9 Let $k \geq 2$, $n, m \geq 1$ be positive integers (n, m need not be distinct). Then

1. If $1 \leq m \leq k+1$, then $R_{k,m}(n, n) = (n-1)(n-1)+1$.
In particular, if $1 \leq n, m \leq k+1$, then $R_{k,m}(n, m) = (n-1)(n-1)+1$ is symmetric in n and m .
2. If $m \geq k+1$, then $R_{k,m}(n, n) = R_{k,m}(n, k+1) = (n-1)k+1$

Badani (2020-05-28 at 22_11 GMT-7)

kwb-ocpv-kiu (2020-05-29 at 22_10 GMT-7)

Six Radio broadcasting companies C_1, C_2, \dots, C_6 .
Have applied to the Minister of Broadcasting for frequency channels.

If two companies transmit on the same frequency within 200 km of each other they can not be assigned the same frequency (also there will be too much interference).

The minister wishes to assign as small as a number of different frequencies as possible, taking this interference into account.

Mahadevan (2020-05-30 at 02_04 GMT-7)

THANKS
QUESTIONS PLEASE

add

Dr. Amutha S Mathematics

Mahadevan (2020-05-30 at 02_04 GMT-7)



ALAGAPPA UNIVERSITY, KARAIKUDI 630 003, TN, India

(A State University Accredited with A+ Grade by NAAC (CGPA:3.64) in the Third Cycle and Graded as Category – I University by MHRD-UGC)

SCHOOL OF MATHEMATICS

International Webinar on Recent Advances in Graph Theory

May 29 - 30, 2020.

(With the financial support of RUSA 2.0)

Under the Presidentship of



Prof. N. Rajendran

Vice- Chancellor, Alagappa University.

Keynote Speakers



Prof Ayman Badawi
American University of Sharjah,
Sharjah.

29.05.2020: 10.30 am – 11.30am



Dr. T. Asir
Madurai Kamaraj University,
Madurai, India.

29.05.2020: 2.30 pm – 3.30 pm



Dr. C. Sivagnanam
Sur College of Applied Sciences,
Sultanate of Oman.

30.05.2020: 10.30 am – 11.30 am



Dr. G. Mahadevan
Gandhigram Rural Institute,
Gandhigram , India

30.05.2020: 2.30 pm – 3.30 pm

For further details: amutha.angappan@rediffmail.com and 9994613745

No Registration fee. E-Certificate will be provided.

Last date for registration: 26.05.2020



<https://forms.gle/pRMZkxHxVAqjVb6YA>

Dr. S. Amutha
Organizing Secretary

Prof. N. Anbazhagan
Convener

Dr. H. Gurumallesh Prabhu
Registrar