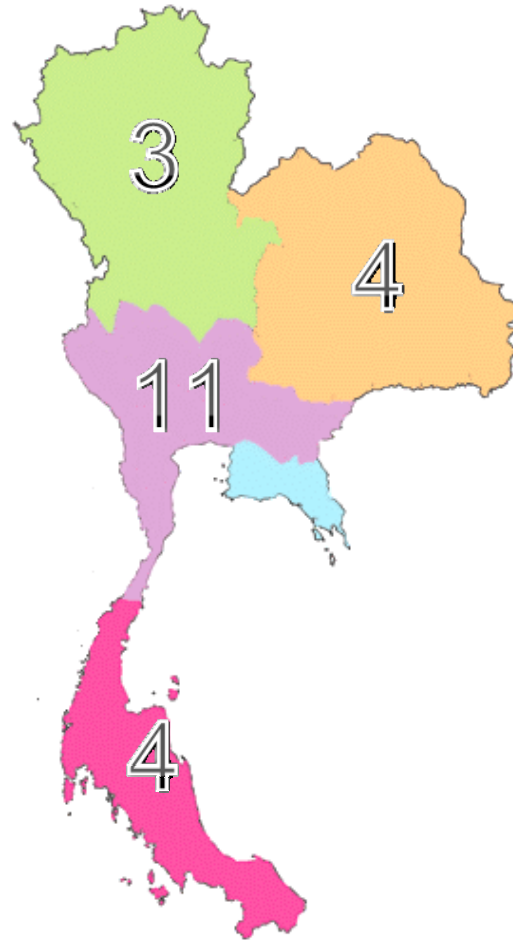




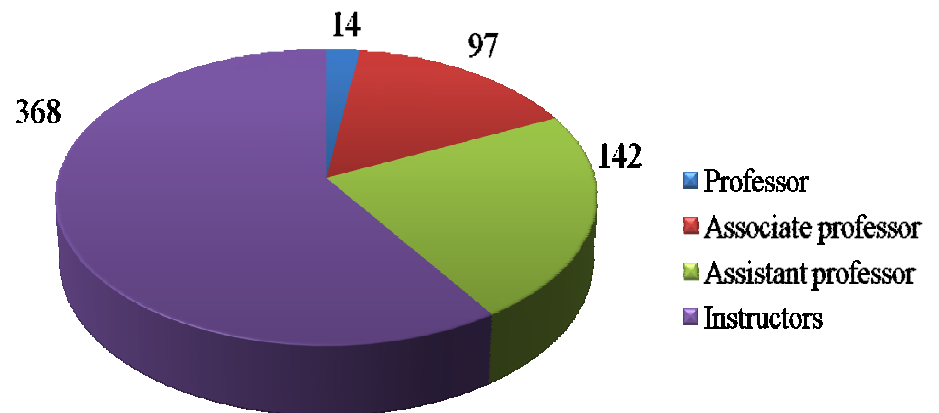
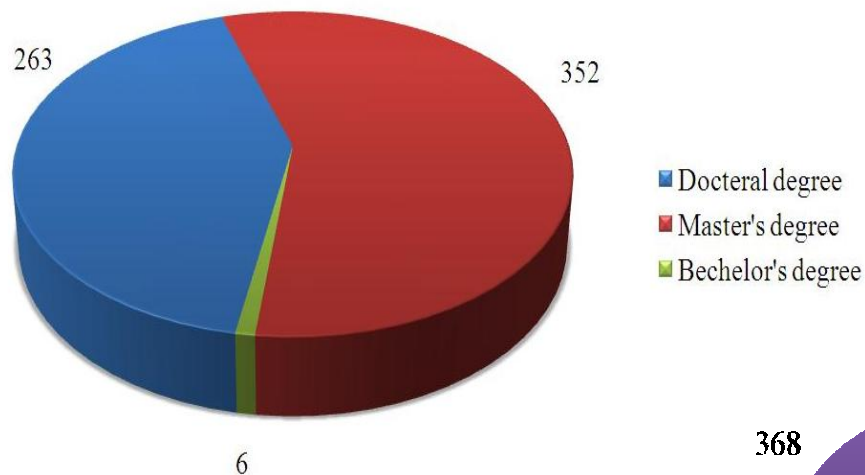
# **Challenges and Difficulties for Mathematicians in Thailand**

**There are 22 universities in Thailand  
which offer program in Mathematics**

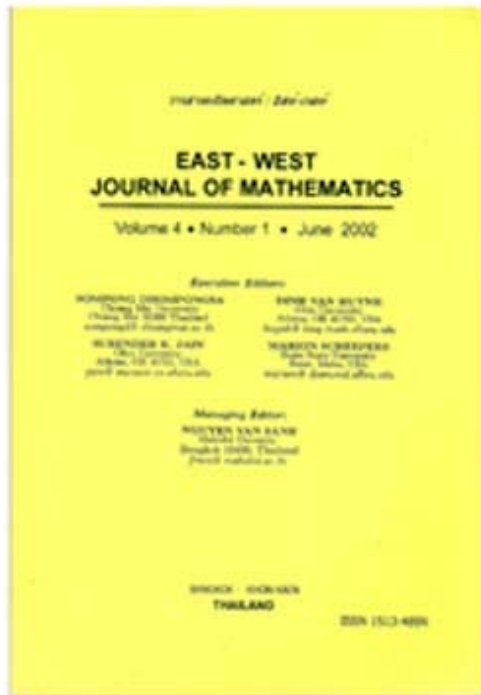


**621** members of the Mathematical Association of Thailand who are affiliated with universities.

The estimated number of research mathematicians is **315**.



There are 3 mathematical journals published in Thailand



# Conferences

- **The *Annual Meeting in Mathematics* is held on March or May each year, this is a local one. Member universities take turns to host these meetings.**
- **At least one *international conference either in pure or applied math* is to be organized every year, hosted or joint host ed by member universities.**
- May 24-26, 2010, International Conference on *Mathematical Analysis*, CU.
- December 17-19, 2009, International Conference on *Mathematics and Applications*, MU.
- October 29-31, 2009, Franco - Thai Seminar in *Pure and Applied Mathematics*, MU.
- May 28-30, 2008, International Conference on *Algebra and Related Topics*, CU.
- August 2007, International Conference on *Mathematics and Applications*, MU.
- **July 16-22, 2007, The 8<sup>th</sup> International Conference on *Fixed Point Theory and Its Applications*, CMU.**
- May 2007, International Conference on *Discrete Mathematics*, SWU.
- May 2006, International Conference on *Analysis and Its Applications*, CU.
- December 2005, International Conference on *Mathematics and Applications*, MU.
- 2005, The 2<sup>nd</sup> International Symposium on *Mathematical Statistic and Computer Science*, KMITL.
- May 2004, International Conference on *Algebra*, CU.
- **July 17-21, 2003, The 11th International Conference on *Finite or Infinite Dimensional Complex Analysis and Applications*, CMU.**

**Notable conferences are shown in bold.**

## Difficulties and Challenges

- **Imbalanced in research areas:**  
certain fields of research are highly active: fixed-point theory, modeling, graph theory, number theory, algebraic semigroup theory, hyperstructures.  
some areas are nearly non-existent: algebraic geometry, commutative algebra, non-associative algebra, topology, dynamical systems, representation theory, several complex variables, complex geometry, symplectic geometry.
- **Lack of international atmosphere.**  
Not enough foreign professors because many universities are affiliated with the government system. Foreign professors are not attracted to Thailand because of low salary and benefits.  
Thai students lack exposure to international mathematical community.  
There is not much research collaboration with other countries.
- **Lack of resources on database for literature review.** Some articles refer to our unsubscribe journals and sometimes it is difficult to write a good literature review. Also, it is hard to find old reference database in Thailand.

## **Difficulties and Challenges (cont.)**

- **Rising of mathematicians**

**Young generations have been studying mathematics abroad such as the US and UK, thanks to several government scholarships.**

**They have been working in Thailand now and in the near future.**

**Thailand is rising in the International Mathematical Olympiad and is usually in the top ten among the countries participating in the competition. Most of these students are studying mathematics.**

**Job opportunity in universities and high schools is attractive.**

**Young students with high potential are interested in study Math.**

**This situation is an advantage to strengthen Mathematics in Thailand.**

- **Research funds**

**Several research funds are given to promote mathematical research activities. These can compensate for the relatively low salary.**

## **Society finance:**

**Cheap membership fee per university are collected, it's enough to arrange an executive meeting 3-4 times each year.**

**Also, several mathematicians were partially supported in presenting their papers at the AMC 2009 in KL and AMC 2005 in Singapore.**

## **Government supports:**

**Not direct support from the government.**

**The government provides the full expenses for a representative from each university attending an executive meeting at the university host.**

## **Future plan**

- promote TJM into ISI database.**
- host a notable international conference in Thailand.**
- enhance more collaboration with Asian countries.  
Because of cheap transportation, similar culture,  
we can make friends and have good connection,  
build more confidence in research collaboration.**
- continue support Thai researchers to present  
papers at the notable conferences.**