

FUDZIAH ISMAIL

Ph.D. (Universiti Putra Malaysia)

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EXPERTISE

Professor Dr. Fudziah Ismail is a professor in the field of Numerical Analysis at the Department of Mathematics, Universiti Putra Malaysia. Her major research areas include Runge-kutta type of methods and multistep methods for directly solving higher order ordinary differential equations. Her other research area is solving highly oscillatory problems both ordinary and delay differential equations using Phase-fitted hybrid methods. Her active participation in research has earned her awards at university and national levels. Nine PhD and seven Master students have graduated under her supervision and currently she has four PhD and two Master students. She has published more than 150 research papers in journals and proceedings and written two books on her research area. She is a member of Malaysian Mathematical Science Society, American Mathematical Society and International Association of Engineers. She is in the Editorial Board for a number journals and has been appointed as referee for many scientific papers for local and international journals.

Current Research Interest

Runge-Kutta type methods and multistep methods for directly solving higher order ordinary and delay differential equations

Phase-Fitted Runge-Kutta methods, hybrid methods and linear multistep methods for solving highly oscillatory problems

LINK TO POSTGRADUATE FIELD OF STUDY:

Numerical Analysis, Computational Mathematics

ADDITIONAL INFORMATION: