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青少年數學潛能拓展 訓練計劃

TRAINING PROGRAMME FOR YOUNG MATHEMATICS TALENTS

申請指南
ENROLMENT
GUIDE
2026

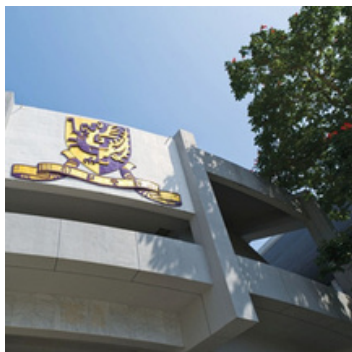
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領導致辭

MESSAGE FROM MANAGEMENT

自2019年發布的《粵港澳大灣區發展規劃綱要》提出，將粵港澳大灣區建設成國際科技創新中心，區內極需科技創新型人才。二十大報告中再次強調，堅持科技是第一生產力，人才是第一資源，創新是第一動力。香港中文大學以「結合傳統與現代，融會中國與西方」為使命，不斷開拓創新人才的培養模式、探索專業領域人才的培養路徑。

數學是許多學科的底層邏輯。數學能力的提升，將有助於計算機、生物醫藥、金融科技等高新領域以及交叉學科型人才的培養。香港中文大學理學院數學系發起的「青少年數學潛能拓展訓練計劃」，希望能夠吸引那些熱愛數學、且在數學領域已經具備一定能力的優秀青少年，幫助他們盡早挖掘自身優勢，投身數學或與之相關聯的學科領域，即所謂「千里之行，始於足下」。

「青少年數學潛能拓展訓練計劃」，由在大灣區深耕多年的香港中文大學深圳研究院協辦，從青少年中選拔具有數學天賦的人選，重點培養。我們希望，透過港中大理學院數學系的專業訓練，可為大灣區乃至國家輸送更多的創新科技型人才。



As mentioned in "Outline Development Plan for the Guangdong-Hong Kong-Macao Greater Bay Area" in 2019, the Central Government highlights that innovation and technology talents are in urgent need. The report of the 20th National Congress of the Communist Party of China emphasized again that talent is an essential propeller for innovation and technology development. With a mission "To combine tradition with modernity, and to bring together China and the West", The Chinese University of Hong Kong (CUHK) continues to develop training programmes for innovative talents and explore ways to nurture talents in professional fields.

Mathematics is the root of a number of disciplines. Improving the mathematical skills of teenagers will help foster talents in high-tech fields such as computing, biotechnology, and financial technology, and facilitate the development of cross-disciplinary talents. The Department of Mathematics, Faculty of Science, CUHK initiated the "Training Programme for Young Mathematics Talents", with aims of attracting outstanding young talents who are passionate about mathematics and already possess certain mathematics abilities in the field of mathematics, exploring their strengths and potentials, and dedicating themselves into the field of mathematics or its related disciplines. That is likened to "A journey of a thousand miles begins with a single step."

"Training Programme for Young Mathematics Talents" is organized by the CUHK Shenzhen Research Institute. The programme targets to select mathematically gifted learners from high schools and offers them a chance to develop through the professional training provided by the Department of Mathematics. We wish more innovation and technology talents are nurtured and will dedicate themselves to innovation and technology development in the Greater Bay Area and the whole country through the programme.

陳偉儀教授

香港中文大學前副校長（策略發展）
生物醫學學院研究教授

Prof. CHAN Wai-ye

Former Pro-Vice-Chancellor / Vice-President
(Strategic Developments)
Research Professor of School of Biomedical Sciences
CUHK

香港中文大學理學院一直致力培養科研人才及啟發新一代科學領袖。港中大理學院創立於1963年，一直肩負重任，為有志投身科學行列的學生和科學家提供理想的學習及研究環境。我們提供有效的學習環境，當中包括不同類型的課程及活動，希望培養同學獨立、批判思維和解決問題的能力，並激發他們的創意。

「青少年數學潛能拓展訓練計劃」由TUYF慈善信托基金資助，並獲多個單位鼎力支持。港中大理學院數學系有幸籌備此項目，動員其世界級團隊及發揮其國際影響力。我們將憑借數學系的獨特優勢，透過計劃為粵港澳大灣區的高潛人才提供拓寬視野、激發潛能的機會，為其未來從事科學創新領域的事業打下基礎。

我衷心希望本項目能為社會培養更多建設型人才，也對眾多未來的科學家寄予厚望，希望他們通過學習科學、原創研究以及多方合作，為改善人類生活及社會做出貢獻。

The Faculty of Science at CUHK has long been committed to educating and inspiring the next generation of scientific innovators. Established in 1963, the Faculty of Science of CUHK has taken pride in providing the stimulating environment for young people and active scholars to learn science and undertake research. We hope to provide an enriched learning environment and endeavour to enhance students' learning experience by offering a variety of lecture courses and activities. We hope our initiatives can help students develop their independent, critical thinking, and problem-solving skills, as well as boost their creativity.

It is our privilege to embark on the "Training Programme for Young Mathematics Talents" which is funded by the TUYF Charitable Trust and supported by various organisations. Our Department of Mathematics has a world-class team with a global impact. The Programme offers enormous opportunities for the talents in GBA to broaden their horizons, unleash their potential and lay the foundation for their future development in the field of science and innovation.

I sincerely hope that the programme will nurture more talents with constructive spirit. By learning science, devoting themselves to research activities and building on collaboration, I believe they could contribute to the improvement of human life and help make the world a better place.



宋春山教授

香港中文大學理學院院長
偉倫化學教授

Prof. SONG Chunshan

Dean of Science
Wei Lun Professor of Chemistry
CUHK



鄒軍教授

香港中文大學理學院數學系系主任
卓敏數學講座教授

Prof. ZOU Jun

Chairman, Department of Mathematics
Faculty of Science
Choh-Ming Li Professor of Mathematics
CUHK

香港中文大學理學院數學系成立於1963年，擁有國際一流的教授和研究學者，致力於數學研究和培養數學專業人才。在2022年的QS世界大學學科排名中，香港中文大學數學系排名第41位。「青少年數學潛能拓展訓練計劃」是專為熱愛數學、並在數學領域有一定天賦的學生而設計，拓展訓練班旨在使學生了解現代數學並接觸數學研究，激發青少年的數學發展潛質。

我們將安排為期九天的數學課程，包括線性代數、微積分、非歐幾何、集合論與邏輯等。課程除安排理論內容外，亦會配有工作坊和課外考察交流，使青少年能夠更早地接觸到一些創新科技企業，知曉理論知識的應用領域，使其「知其然，亦知其所以然」，同時，我們會安排大量習題訓練和討論時間，使大家能夠合作溝通去解決問題。

我希望藉此項目，可以更早切入對青少年數理思維的訓練，提升其創新能力，人才的競爭力將會影響整個國家、地區的核心競爭力，期望該項目能夠順利開展，並在未來為粵港澳大灣區乃至國家輸送更多創新科技型人才，真正實現「人才興國、科技興國」的目標。

Established in 1963 and ranked 41st in the 2022 QS World University Rankings by Subject, Department of Mathematics, Faculty of Science, CUHK, is a world-class incubator for academic professors and research scholars. "Training Programme for Young Mathematics Talents" is designed for students who love mathematics and possess certain potential in the field of mathematics. The programme aims to enable students to understand modern mathematics and experience mathematical research, as well as to stimulate and develop students' great potential in mathematics.

We will arrange a series of mathematics courses that include linear algebra, calculus, non-Euclidean geometry, set theory and logic, and more. In addition to theoretical learning through daily classes, the programme allows students to participate in workshops and extracurricular activities so that they can learn how to apply mathematical knowledge to solve real-world problems.

The competitiveness of talents in the region will affect the core competitiveness of the entire country. Therefore great effort will be made in this programme to train students' mathematical thinking, improve their innovation ability, and enhance their competitiveness from a younger age, in a partial attempt to help achieve the ultimate goal of "revitalizing the country with talents, and rejuvenating the country with science and technology".



任揚教授

香港中文大學深圳研究院院長

Prof. YAM Yeung

Director

CUHK Shenzhen Research Institute

香港中文大學深圳研究院於2007年成立。作為香港高校最早在內地設立的研究機構之一，深圳研究院自建院起就成為港中大在粵港澳大灣區發展的樞紐，以及香港與內地溝通的橋梁。深圳研究院一直貫徹大學「結合傳統與現代，融會中國與西方」的使命，求真務實、開拓創新，不斷在產學研方向上深耕，同時，以客觀、主動、支持、合作的理念，助力大學、校友以及各方合作伙伴，在科研提升、人才培育、技術轉移以及創新創業發展方面進行深入合作。

我們國家的科技實力大幅提升，在許多重要科技領域實現跨越式發展，而基礎研究正是一系列科技創新的源頭。深圳研究院與理學院數學系合作開展的「青少年數學潛能拓展訓練計劃」可謂正逢其時。我們希望通過項目盡早選拔、培養具有數理思維的高潛人才，同時也希望得到更多教育領域同仁的支持，為實現前瞻性基礎研究和科技創新做好人才儲備工作，為灣區乃至國家發展、人類福祉提高作出貢獻。

The Chinese University of Hong Kong (CUHK) Shenzhen Research Institute (SZRI) was established in 2007 as one of the very first research bases in the Mainland set up by Hong Kong tertiary institutions. Since its establishment, SZRI has been a pivot to CUHK's many developments in the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) and a bridging channel between Hong Kong and the Mainland. Aligned with CUHK's mission "to combine tradition with modernity, and to bring together China and the West," SZRI maintains itself as an earnest, pragmatic, pioneering, innovative entity in its wide-ranging activities across the fields of technology application, education and research. The Institute adopts an objective, proactive, supportive and collaborative spirit in supporting the University, alumni and partners on endeavors in advanced research, talent cultivation, technology translation and start-up incubation.

While we are witnessing the great progresses made in multiple scientific and technological fields in the Mainland today, we must never lose sight of the fundamental role played by basic research. In this regard, the launching of the "Training Programme for Young Mathematics Talents" co-organized by the Department of Mathematics of the Faculty of Science at CUHK and SZRI, is a timely reminder of this important message. We truly hope the Programme will be successful in cultivating high-level talents with strong mathematical thinking at their early age and at the same time attaining the enhanced support of colleagues in the education community. The work of realizing a pool of young talents capable of engaging in forward-looking basic research and innovative technological exploration will have tremendous impact to the future of GBA, China and the world!

香港中文大學

THE CHINESE UNIVERSITY OF HONG KONG

香港中文大學（簡稱「港中大」）成立於1963年，為國際化研究型大學。港中大在人文學科、數學、計算機科學、經濟與金融、醫學、法律、傳媒、地理等領域堪稱學術重鎮，也是香港唯一有諾貝爾獎、菲爾茲獎、圖靈獎及香農獎得主任教的大學。港中大以「結合傳統與現代，融會中國與西方」為使命，以靈活的學分製、書院製、中英兼重和多元文化為特色，是環太平洋大學聯盟、世界大學聯盟、鬆聯盟、中國大學校長聯誼會成員。

在香港教育資助委員會（簡稱「教資會」）提供專項撥款的三十五個卓越學科領域中，由港中大研究人員領導的佔十三個項目。在髮表成果方面，港中大的成績燦然可觀。無論在專門領域的學報，還是一般耳熟能詳的期刊，均可看到港中大學人的專業觀點。

Founded in 1963, The Chinese University of Hong Kong (CUHK), with a global vision "to combine tradition with modernity, and to bring together China and the West," is a forward-looking comprehensive research university that aims to nurture students with both specialized knowledge and wisdom for life. CUHK undertakes a wide range of research programmes in different areas and strives to support all academic staff to undertake consultancy and collaborative projects with the industry.

CUHK is an academic powerhouse in the fields of humanities, mathematics, computer science, economics and finance, medicine, law, media, geography, etc., and is the only university in Hong Kong with the Nobel Prize, Fields Medal, Turing Award, and Shannon Award winners. The University Grants Committee (UGC) provides preferential grant funding to the local tertiary institutions to conduct research in 35 selected Areas of Excellence (AoEs), out of which 13 are led by researchers from CUHK. CUHK also has excellent publications of cutting-edge research, both in discipline-specific journals and in more high-profile publications such as Science, Nature, and The Lancet.

數說港中大

CUHK RANKINGS AND FIGURES

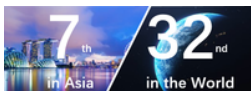
4 名諾貝爾獎得主
Nobel laureates



8 大學院校
Faculties



5 間由中國科學技術部批准成立的國家重點實驗室
State Key Laboratories, established with the approval of the Ministry of Science and Technology of the People's Republic of China



Asia: 7th / World: 32nd

QS 世界大學排名

QS World University Rankings



Asia: 9th / World: 41th

泰晤士高等教育世界大學排名

Times Higher Education Rankings



1st in Hong Kong (2025 - 2026)

美國新聞與世界報道全球最佳大學排名

U.S. News & World Report
Best Global Universities Rankings



Hong Kong: 4th / World: 71th

泰晤士高等教育世界大學影響力排名

Times Higher Education Impact
Rankings 2025



3rd in Hong Kong

《軟科世界大學學術排名》

ShanghaiRanking's Academic Ranking
of World Universities

主辦單位介紹

ORGANIZER

香港中文大學理學院數學系

DEPARTMENT OF MATHEMATICS, FACULTY OF SCIENCE, CUHK

科學教育是促進文明社會經濟發展的關鍵。香港中文大學理學院的使命是：培養及啟發新一代科學領袖及革新者、開拓人類知識的領域。理學院有六個主要教學部門：生命科學學院、化學系、數學系、物理系、統計學系及地球系統科學課程；有超過3000位學生和250位教學及科研老師。數學系的教研隊伍包括一位諾貝爾獎得主、一位菲爾茲獎得主，以及多位中國科學院和工程院院士、裘槎優秀科研者、世界知名學術團體會員及其得獎者，和備受推崇的學術期刊及書籍的編輯。他們在各個科學領域從事頂尖的研究及教學工作。畢業生亦在各個科學領域成為出色的研究員、教育學者和專業人士，備受本地及國際社會認同。

長久以來，科研和教學都是數學系的發展核心。數學系與中文大學同年成立，並協同大學經歷了60年的風風雨雨。數學系擁有一支世界級的科研團隊，在代數、數學分析、幾何、拓撲、偏微分方程、運算科學等不同的前沿研究領域取得突破，當中不少學者更榮獲國際的獎項和院士名銜，以表彰他們傑出的研究成果。

數學系亦注重知識的傳承，歷年來培養的畢業生，不少都投身科研行列，在國內外的著名學府和研究所作出貢獻，當中更包括享負盛名的菲爾茲獎得主、華人數學家丘成桐教授。此外，數學系於1993年在丘教授的協助下成立數學科學研究所，進一步加強人才培訓。

Science education is the propellant to civilization and socioeconomic development. The Faculty of Science has six major teaching units, namely School of Life Sciences, Department of Chemistry, Department of Mathematics, Department of Physics, Department of Statistics, and Earth System Science Programme. Their Faculty members include a Nobel laureate, a Fields medalist, and Academicians of the Chinese Academies of Sciences and Engineering and world-class scholars, who are committed to the pursuit of excellence in teaching and research. The graduates are highly received by the local and international communities with many recognized as outstanding researchers, educators, and professionals in all sectors, both in Hong Kong and overseas. The missions of the Faculty of Science are to educate and inspire the next generation of scientific innovators and leaders; and to expand the frontier of human knowledge. Among all departments, the Department of Mathematics was established in the same year as CUHK, and has experienced 60 years of development in collaboration with the University.

The Department of Mathematics has a world-class scientific research team that has achieved breakthroughs in different frontier research fields such as algebra, mathematical analysis, geometry, topology, partial differential equations, and computational science, and many of them have been honored with highly prestigious international awards and fellowships which become a recognition of their outstanding research results.

The Department of Mathematics also focuses on the inheritance of knowledge. Over the years, many graduates have devoted themselves to scientific research in world-class universities and research institutes, including the Fields Medalist, Chinese mathematician Professor YAU Shing Tung. In addition, with the assistance of Professor YAU, the Department established the Institute of Mathematical Sciences in 1993 to further strengthen the training of mathematics talents.

協辦單位介紹

CO-ORGANIZERS

香港中文大學深圳研究院

CUHK SHENZHEN RESEARCH INSTITUTE (SZRI)

在深圳市政府的支持下，香港中文大學深圳研究院於2007年成立，是香港中文大學在內地首個全資擁有的產學研基地。作為香港中文大學在內地發展的重要平台之一，深圳研究院多年來一直推進大學在深圳、粵港澳大灣區及內地其他城市的發展，穩步推進學研提升、人才培育、技術轉移、全球接軌、創新發展等領域的發展工作。

With a great support of the Shenzhen Municipal Government, CUHK Shenzhen Research Institute (SZRI), the first wholly-owned industry-university-institute base of CUHK in the Mainland, was established in May 2007. Being one of the important platforms for the strategic development of CUHK in the Mainland, SZRI has been expanding the University's developments in Shenzhen, the Guangdong-Hong Kong-Macao Greater Bay Area (GBA) and other cities of mainland China over the years, through providing comprehensive support in academic and research advancement, talents cultivation, technology transfer, global connection, as well as innovation and development.



香港中文大學粵港澳大灣區發展辦公室

OFFICE FOR GREATER BAY AREA DEVELOPMENTS (GBAO), CUHK

香港中文大學在擁有國際視野、全球接軌、出色研究的高水準教育水平，及「一國兩制」的雙重優勢下，於2020年8月成立粵港澳大灣區發展辦公室，積極主動地參與大灣區的發展，推進大學新的戰略計劃。粵港澳大灣區發展辦公室將協助大學投入參與大灣區的建設，為大學成員在大灣區的學研提升、創新創業等活動提供適切的支持，同時加強與各地政府、企業合作伙、產業機構及校友組織等的溝通與聯系，推進和落實大學在大灣區各項目的工作。

Established in August 2020, the Office for Greater Bay Area Developments (GBAO) of CUHK actively participates in the development of the Greater Bay Area (GBA) and facilitates the implementation of the University's strategic plans and projects in GBA by providing support to university members in academic research, innovation and entrepreneurship, and other activities in GBA. In addition, GBAO will help strengthen communication and cooperation with municipal offices, business partners, industrial institutions, and alumni-related organizations.

項目介紹

TRAINING PROGRAMME

「創新驅動發展，科技引領未來」。科技創新的基礎在教育，關鍵在人才。為推動粵港澳大灣區建成高水平人才高地和創新人才蓄水池，香港中文大學理學院數學系發起「青少年數學潛能拓展訓練計劃」（簡稱「計劃」。「計劃」依托港中大世界級資源以及多年的項目經驗，選拔具有數學天賦的青少年，通過大學先進的數學教育理念和方法，幫助學生了解數學前沿領域，培養嚴謹的科學素養和創新能力，從而為灣區乃至中國培養未來新一代創新領軍人才打下基礎，推動中國引領新一輪科技和產業變革。

"Innovation drives development, and technology nurtures the future". The foundation of scientific and technological innovation lies in education, while talents are the keys to its achievement. To solidify GBA's status as a talent hub of the kind, the Department of Mathematics, Faculty of Science, CUHK has launched the "Training Programme for Young Mathematics Talents". Relying on CUHK's multifaceted resources and years of project experience, the programme aims at training mathematical-talented young students to acquire scientific literacy and innovation ability through the University's advanced mathematics concepts and methods, so as to lay a foundation for cultivating the next generation of innovation leaders for the Region, and even the Country.

目標 Objectives



激發學生對基礎數學的興趣，提升他們對STEM的意識、認知和理解

Accelerating students' interest in basic mathematics or STEM and raising their awareness, cognition and understanding in the field



培養具備數學潛力的學生，並推動廣大青年與香港中文大學之間的聯繫

Cultivating mathematics talented students and establishing their connection with CUHK



提高學生進入大學選讀數學或STEM相關學系的積極性，為培養創科人才奠下基石

Motivating students to enroll mathematics or STEM-related subjects at university and cultivating the future technological and innovative leaders

課程時間 Programme Schedule

第一期
Session 1 2026/07/13-07/21

第二期
Session 2 2026/08/03-08/11

\$1,980*

人民幣 (CNY)

費用包括教務費等相關教學支出、午餐、外出參觀費用，不含住宿及其他個人消費

Fees covered course, lunch and activities. Accommodation, personal expenses of any kind are excluded.

*本項目為非營利性質，所有收取費用均用於以上用途。其他行政費用由 TUYF 慈善信托基金所承擔。 This programme is non-profit-making. All the fees collected from the participants will be used to cover the abovementioned costs. All administration costs incurred will be absorbed by The TUYF Charitable Trust.

課程形式 Programme Structure

課堂 Classes



理論基礎
Basic principles and
fundamental
theories



工作坊 Workshops



訓練數理思維
Training in
mathematical
thinking



交流考察 Activities

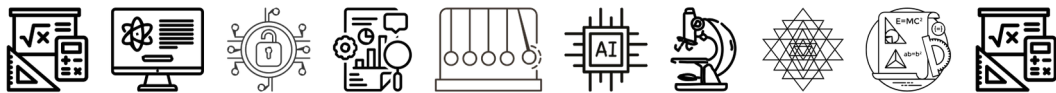


走進香港中文大學
CUHK Campus Visit

講座或互動交流
Seminars / Interactive
Activities



課程內容 Curriculum



課程講授的理論知識

Theoretical Knowledge

集合論與邏輯

Set Theory and Logic

基礎離散數學

Introduction to Discrete Mathematics

數論在現實世界中的應用：密碼學

Real-world Application of Number Theory: Cryptography

線性代數及其應用

Linear Algebra with Applications

微積分與微分方程

Calculus and Differential Equations

初探非歐幾何

First Journey into Non-Euclidean Geometry

抽象代數導論

Introduction to Abstract Algebra

微積分與微分幾何

Calculus and Differential Geometry

涉及應用領域

Future Learning Path

數學 Mathematics

物理學 Physics

數學/科學研究
Mathematics/ Science Research

數學/科學教育
Mathematics/ Science Education

統計 Statistics

量化金融 Quantitative Finance

精算及風險管理
Actuary and Risk Management

自然科學 Natural Science

計算機科學 Computer Science

信息工程 Information Engineering

人工智能 Artificial Intelligence

軟件工程 Software Engineering

數據科學 Data Science



顧問委員會 Advisory Board



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CUHK



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Department of Mathematics, Faculty of Science
CUHK



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及數學科學研究所

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The Institute of Mathematical Sciences CUHK



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卓敏數學講座教授

Prof. ZOU Jun
Choh-Ming Li Professor of Mathematics
Chairman, Department of Mathematics, Faculty of Science
CUHK

導師介紹 Coaches



Prof. Michael MCBREEN

Michael MCBREEN 教授於加拿大麥吉爾大學取得學士學位，後於美國普林斯頓大學取得博士學位。現任香港中文大學數學系助理教授，研究方向為表示論、辛几何及弦理論。

Prof. Michael MCBREEN received his bachelor's degree from McGill University in Canada and his PhD from Princeton University in the United States. He is currently an assistant professor in the Department of Mathematics at The Chinese University of Hong Kong. His research interests include representation theory, symplectic geometry and string theory.



陳曉寧 博士
Dr. CHAN Hiu Ning

陳曉寧博士本科畢業於香港大學，後分別於香港中文大學與香港大學取得碩士學位與博士學位。研究方向為偏微分方程及其數值方法。陳博士現任香港中文大學數學系講師，同時亦為系內數學英才精進課程的講師。

Dr. CHAN Hiu Ning graduated from The University of Hong Kong with a bachelor's degree and then received her MPhil and PhD from The Chinese University of Hong Kong and The University of Hong Kong respectively. Her research interest is partial differential equations with numerical methods. Dr. CHAN is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong, and a lecturer of the Enrichment Programme for Young Mathematics Talents.



陳啟良博士
Dr. CHAN Kai Leung

陳啟良博士於香港中文大學取得博士學位，研究方向為辛几何和弦理論中的鏡像對稱現象。陳博士現任職香港中文大學數學系講師，同時亦為系內數學英才精進課程的講師。此外，陳博士亦擔任理學院科學教育促進中心的資深顧問、毅進文憑課程數學及延伸數學科的課程顧問。陳博士熱心於教學工作，更榮獲理學院「2021年度學院模范教學獎」。

Dr. CHAN Kai Leung received his PhD from The Chinese University of Hong Kong with research interests in mirror symmetry in symplectic geometry and string theory. Dr. CHAN is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong. He is the programme coordinator as well as a lecturer of the Enrichment Programme for Young Mathematics Talents. In addition, Dr. CHAN serves as a fellow of the Centre for Promoting Science Education of the Faculty of Science and Course Advisor of Diploma Yi Jin. Dr. CHAN is enthusiastic about teaching and received the 2021 Faculty Exemplary Teaching Award.



鄭文銓博士
Dr. CHENG Man Chuen

鄭文銓博士於香港中文大學數學系取得學士及碩士學位，後取得美國斯坦福大學數學博士學位，並曾於美國麻省理工學院及加拿大英屬哥倫比亞大學任博士後，研究方向為代數拓撲。鄭博士現任香港中文大學數學系講師，同時亦為系內數學英才精進課程的講師。

Dr. CHENG Man Chuen received his bachelor's degree and MPhil from the Department of Mathematics, The Chinese University of Hong Kong, and obtained PhD from Stanford University. He later served as a postdoctoral fellow at Massachusetts Institute of Technology and University of British Columbia. His research interest is algebraic topology. Dr. CHENG is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong, and a lecturer of the Enrichment Programme for Young Mathematics Talents.



李俊捷博士
Dr. LI Chun Che

李俊捷博士於美國加州大學洛杉磯分校取得博士學位，後於美國加州大學洛杉磯分校及台灣「中央研究院」數學研究所任博士後。研究方向為數論與自守式的表示論。李博士現任中文大學數學系講師，同時亦為系內數學英才精進課程的講師。

Dr. LI Chun Che received his PhD from the University of California at Los Angeles, and worked as a postdoctoral fellow at the University of California at Los Angeles and the Institute of Mathematics at Academia Sinica, Taiwan. His research interests are number theory and representation theory of automorphic forms. Dr. LI is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong, and a lecturer of the Enrichment Programme for Young Mathematics Talents.



廖振隆 博士
Dr. LIU Chun Lung

廖振隆博士於美國密執安州立大學取得博士學位，後於德國杜伊斯堡-埃森大學任博士後，研究方向為代數幾何與代數配邊理論。廖博士現任職中文大學數學系講師，同時亦為系內數學英才精進課程的講師。廖博士善於深入淺出介紹高深數學理論，並曾多次獲邀為無線電視節目《學是學非》的嘉賓，推廣普及數學教育。

Dr. LIU Chun Lung received his PhD from Michigan State University in the United States, and worked as a postdoctoral fellow at the University of Duisburg-Essen in Germany. His research interests are algebraic geometry and algebraic cobordism. Dr. LIU is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong, and a lecturer of the Enrichment Programme for Young Mathematics Talents. Dr. LIU is good at introducing advanced mathematical theories in simple terms, and has been invited as a guest on the TVB program "Sidewalk Scientist" for many times to promote and popularize mathematics education.



吳銘豪 博士
Dr. NG Ming Ho

吳銘豪博士於香港大學取得學士、碩士及博士學位，主要研究解析數論，課題包括自守形式及L-函數。吳博士現為香港中文大學數學系助理講師。

Dr. NG Ming Ho received his BSc, MPhil and PhD from The University of Hong Kong. His main research interest lies in analytic number theory including automorphic forms and L-functions. Dr. NG is currently an assistant lecturer in the Department of Mathematics at The Chinese University of Hong Kong.



潘莉 博士
Dr. PAN Li

潘莉博士於大連理工大學取得數學學士學位，後於香港大學取得數學博士學位，研究方向為運籌學與最優化的理論。潘博士現任香港中文大學數學系講師。

Dr. PAN Li graduated from Dalian University of Technology with a bachelor's degree in mathematics, and received her PhD from The University of Hong Kong. Her research interests are operations research and optimization theory. Dr. PAN is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong.



肖晶晶 博士
Dr. XIAO Jing Jing

肖晶晶博士本科畢業於武漢大學數學與統計學院，後於香港中文大學數學系取得博士學位，研究方向為偏微分方程與雙曲守恆律。肖博士現任香港中文大學數學系講師。肖博士對教學充滿熱忱，曾榮獲理學院「2018年度學院模範教學獎」。

Dr. XIAO Jingjing graduated from the School of Mathematics and Statistics of Wuhan University with a bachelor's degree, and then received his PhD from the Department of Mathematics at The Chinese University of Hong Kong, with research interests in partial differential equations and hyperbolic conservation laws. Dr. XIAO is currently a lecturer in the Department of Mathematics at The Chinese University of Hong Kong. Dr. XIAO is enthusiastic about teaching and received the 2018 Faculty Exemplary Teaching Award.

申請須知 APPLICATION INFORMATION

申請條件 Requirements

- 初中及高中在讀學生
- 崇尚科學、身體健康、成績優異、創新潛力突出
- 對數學有興趣且有意向從事數學研究、或以數學作為底層邏輯的其他前沿科技研究，並在數學領域表現出潛質和優勢
- Secondary school students
- Interested in science and innovation, healthy, with outstanding academic performance and innovation potential
- Interested in mathematics and intend to engage in mathematical research, or other cutting-edge scientific or technological research with mathematics as the underlying logic, and are able to demonstrate mathematics potential

申請資料 Application Materials

- 過往成績單
- 相關獲獎證書
- 數理老師推薦信（非強製）
- Latest transcripts
- Certificates/ Awards
- Recommendation letter(s) written by the mathematics/ science teacher (if any)

申請流程 Application Procedures



授課地點 Course Venue(s)

香港中文大學深圳研究院

CUHK Shenzhen Research Institute.



證書頒發 Certificate of Attendance

完成課程後，將由香港中文大學理學院數學繫頒發訓練出席證書

Upon completion of the programme, a certificate of attendance will be issued by the Department of Mathematics, Faculty of Science, CUHK.



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(852) 3943 0344

手機 Mobile:

(86) 180 2538 2810

報名郵箱 Email address:

gbao@cuhkri.org.cn

報名二維碼

Scan the QR Code for application





致謝

ACKNOWLEDGEMENT

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