**St Albans U3A Mathematics group: past meetings 2021 – 2025**

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| 29 April 2025 | An introduction to Information Theory (Andrew Apps) |
| 25 Mar 2025 | (a) The mathematics of audio reproduction (Simon Browne); (b) Discussion of problems from Mike Rawlins |
| 25 Feb 2025 | (a) Estimating dates of the great conjunctions of Jupiter and Saturn (Simon Thompson); (b) Problems from Mike Rawlins and Tony Crilly |
| 28 Jan 2025 | Discussion of National U3A winter problems |
| 26 Nov 2024 | (a) The Rev. Thomas P. Kirkman and the 15 Schoolgirls Problem: the gentle art of Combinatorics (Tony Crilly); (b) Problems from Mike Rawlins |
| 22 Oct 2024 | (a) Game Theory and human behaviour (Simon Browne); (b) Problems from Mike Rawlins |
| 24 Sept 2024 | Discussion of National U3A summer problems |
| 23 July 2024 | (a) Nonlinear regression (Paul England); (b) Discussion of problems (Mike Rawlins) |
| 25 June 2024 | Discussion of questions from the National U3A problems (Andrew Apps) |
| 21 May 2024 | Integer partitions (Simon Thompson) |
| 23 Apr 2024 | (a) Two surprising results from A-level maths (Kevin Thompson); (b) Discussion of problems from Mike Rawlins |
| 26 Mar 2024 | (a) Keplar's laws of planetary motion (Simon Thompson); (b) Discussion of problems from Mike Rawlins |
| 27 Feb 2024 | (a) Some real life applications of conic sections (Richard Buchta); (b) Discussion of problems from Mike Rawlins |
| 23 Jan 2024 | (a) Fourier series - or when is a function not a function? (Andrew Apps); (b) Discussion of two problems circulated for Christmas (Simon Thompson) |
| 28 Nov 2023 | (a) Hunting for large primes (Tony Crilly); (b) Problems from Mike Rawlins |
| 31 Oct 2023 | The use of Fourier transforms in microscopy (Michael Moody) |
| 26 Sept 2023 | (a) Discussion of questions from the National U3A problems; (b) Suggested solutions to the birthday card ages |
| 25 July 2023 | An introduction to elliptic curves (Andrew Apps) |
| 27 June 2023 | (a) The anomalous integral of 1/x (Gillian Stansfield); (b) Discussion of problems from Mike Rawlins |
| 30 May 2023 | (a) Calculating square roots by hand (Simon Thompson); (b) Discussion of problems from Mike Rawlins |
| 25 Apr 2023 | (a) The new algebra, and new mathematical words: an introduction to group theory (Tony Crilly); (b) Discussion of questions from the National U3A problems |
| 28 Mar 2023 | Quantum Theory in Astrophysics - a very brief overview (Kevin Thompson) |
| 28 Feb 2023 | (a) The geometry of solar panel installations (Richard Buchta); (b) Discussion of problems from Mike Rawlins |
| 24 Jan 2023 | (a) Discussion of questions from the National U3A problems; (b) Discussion of problems from Mike Rawlins |
| 29 Nov 2022 | Special relativity (Gillian Stansfield) |
| 1 Nov 2022 | (a) Some mathematics of sound and pitch (Simon Thompson); (b) Discussion of problems (Mike Rawlins) |
| 27 Sept 2022 | Discussion of questions from the National U3A problems |
| 26 July 2022 | (a) Infinity and beyond: a new way of counting (Tony Crilly); (b) Discussion of problems (Mike Rawlins) |
| 28 June 2022 | (a) Some different proofs of Pythagoras' Theorem (Simon Thompson); (b) Discussion of problems (Mike Rawlins) |
| 24 May 2022 | Harmonic series and its extension to the Riemann Zeta function, and why the Primes are involved (Gillian Stansfield) |
| 26 Apr 2022 | (a) A super-golden ratio (Tony Crilly); (b) Discussion of problems (Hilary Moore) |
| 22 Mar 2022 | (a) Different types of mathematical proof (Simon Thompson); (b) Video: Can computers prove mathematical theorems? |
| 22 Feb 2022 | (a) The Golden Ratio (Sue Nguyen); (b) Discussion of problems from Mike Rawlins |
| 25 Jan 2022 | The tail/tale of pi (Gillian Stansfield) |
| 23 Nov 2021 | (a) Explaining why two minuses make a plus; (b) A gentle quiz (Simon Thompson) |
| 26 Oct 2021 | (a) Mathematical problems for the many: A new online free computer resource from history: 1847-1917 (Tony Crilly); (b) Discussion of Pythagorean Triples problems (Gillian Stansfield) |
| 28 Sept 2021 | (a) Discussion of questions from the National U3A problems (Gillian Stansfield); (b) Discussion of problems from Mike Rawlins (Angus MacDonald) |
| 27 July 2021 | A problem in mechanics, with an amazing solution (Simon Thompson) |
| 22 June 2021 | (a) Continued Fractions (Gillian Stansfield); (b) Boat collision problem (Paul England) |
| 25 May 2021 | (a) Progress in mathematics in the ancient world (Brian Songhurst); (b) Discussion of problems |
| 20 April 2021 | (a) Building Bridges - a gentle introduction to Graph Theory (Tony Crilly); (b) Magic Squares (Sue Nguyen) |
| 23 March 2021 | (a) Some alternative definitions of ‘e’ (Simon Thompson); (b) Discussion of problems (Peter Graham) |
| 23 Feb 2021 | (a) Irrational Numbers (Gillian Stansfield); (b) Discussion of future topics and interests (All) |