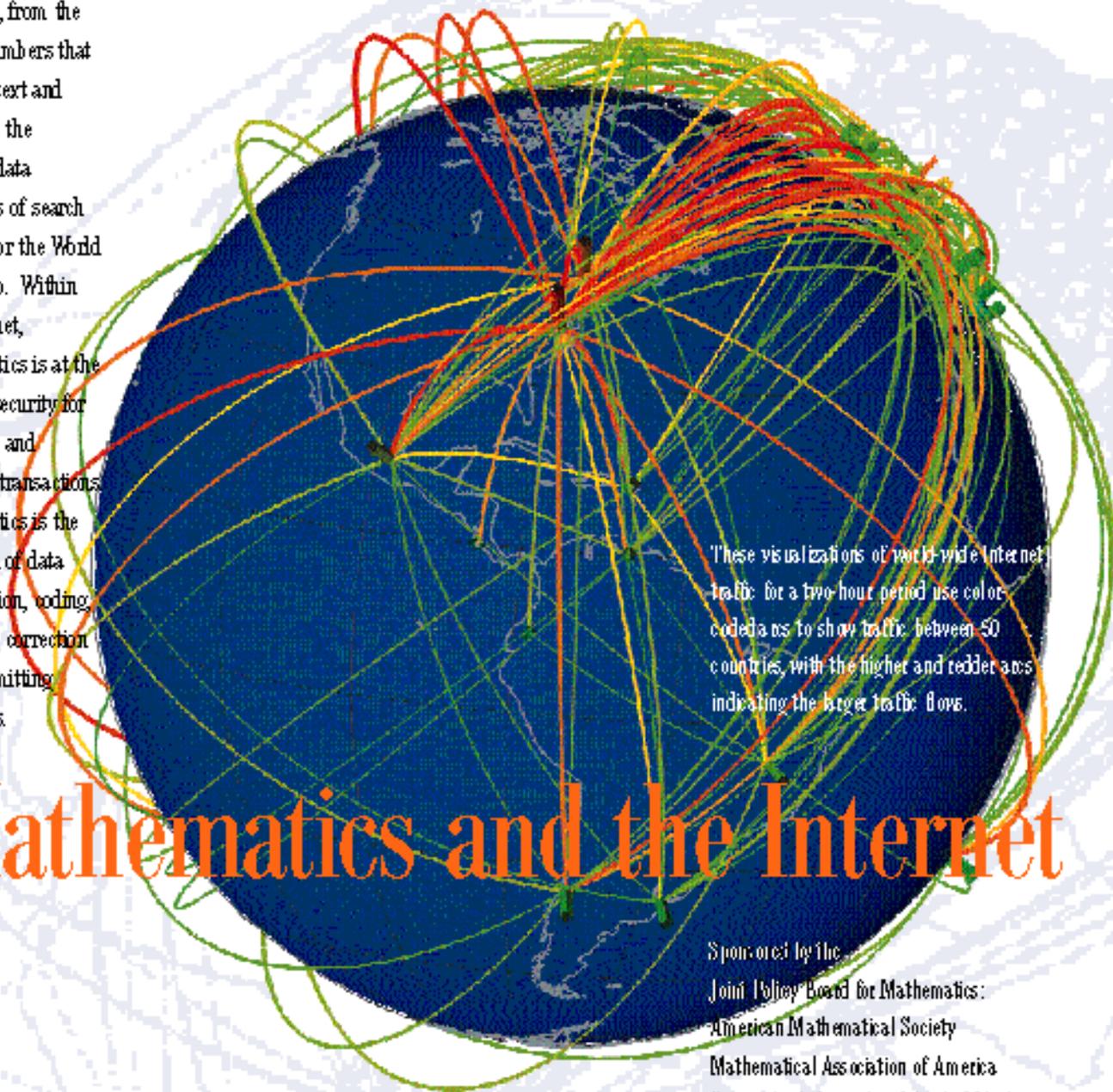
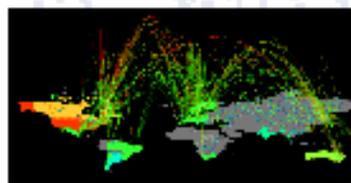


Mathematics is the language of Internet operation, from the binary numbers that describe text and images to the complex data structures of search engines for the World Wide Web. Within the Internet, mathematics is at the heart of security for messages and financial transactions. Mathematics is the basic tool of data compression, coding, and error correction for transmitting large files.



These visualizations of world-wide Internet traffic for a two-hour period use color-coded arcs to show traffic between 50 countries, with the higher and redder arcs indicating the larger traffic flows.

# Mathematics and the Internet



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## 1997 Mathematics Awareness Week

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