



*2012 Mathematical
Study Tour to Italy*
June 9 - 22, 2012

Italia



For more information on this program and to book your space call Academic Travel Abroad, MAA's travel partner, for more details at **(202) 785-9000**

$$r = \frac{|n - a^2|}{2a \pm r}$$

$$n = (a \pm r)^2 = a^2 + 2ar + r^2$$

Italia

Italia



Join MAA on a tour of the history of mathematics in Italy and meet rising stars in the fields of math and science. Your explorations by coach and on foot include Italy's most renowned mathematics-related sights. Discover where great minds such as Rafael Bombelli, Galileo Galilei, and Joseph-Louis Lagrange lived and worked. Enjoy guided visits to top university mathematics departments and discussions with faculty. Marvel at the design of the cities themselves and their extraordinary architecture—both ancient and modern—which display the beauty of geometry and mathematical form. We hope you can join us on this unique trip, designed especially for MAA members.

HIGHLIGHTS

- Take a private guided walking tour of mathematical Turin, led by Sandro Caparrini, including a visit to the Academy of Sciences. Also visit the University of Turin's Department of Mathematics.
- Attend a talk by Salvatore Coen of the Department of Mathematics of the University of Bologna. Tour the university, one of the oldest in Europe, and visit two of the old libraries, in one of which is the original volume of Bombelli's *Algebra*.
- In Florence discover Brunelleschi's architectural masterpiece: the cupola that crowns the duomo.
- Delve into the history of mathematics at the Gardens of Archimedes: A Museum for Mathematics.
- Attend a talk by Ana Millan Gascia in Rome and visit the Castelnuovo Library. Discover Rome's Coliseum, Forum, and the Pantheon.
- Visit the Sistine Chapel in Vatican City as well as the Vatican Museum and Library.
- Enjoy time for independent explorations. Your hotels are conveniently located in city centers.





Italia



ITINERARY

Days 1 & 2:

Saturday–Sunday, June 9–10: U.S./Turin, Italy

Depart the U.S., arriving in Turin, Italy, the next day. Drive to your hotel near the Piazza Castello in the center of Turin. This afternoon take a short guided walk of the city. This evening enjoy a welcome reception and dinner.

Town House 70 (Meals aloft, R,D)

Day 3:

Monday, June 11: Turin

Enjoy a full-day's walking tour of Turin, visiting the city's most renowned mathematics-related sights. Your guide, local physicist and mathematician Sandro Caparrini, is the 2004 winner of the Slade Prize from the British Society for the History of Science. The walk includes a stop at the Collegio dei Nobili with a visit to the Turin Academy of Sciences, co-founded in 1757 by Lagrange.

Town House 70 (B)

Day 4:

Tuesday June 12: Turin

This morning take in a special visit to the University of Turin to meet with members of the Department of Mathematics. Later, you will have some free time for further explorations.

Town House 70 (B)

Day 5:

Wednesday, June 13: Turin/Bologna

Take a train to Bologna then drive to your hotel, overlooking the medieval square Piazza Maggiore. Independently explore the bustling piazza, with its impressive basilica and lively arcaded streets.

Art Hotel Orologio (B)

Day 6:

Thursday, June 14: Bologna

Meet with Salvatore Coen, from the Department of Mathematics at the University of Bologna, for a short talk on the city's mathematical history. Visit the university, one of the oldest in Europe, and explore its library. Tour Bologna by foot, with stops at the Two Towers, built in the early 12th century, and the Museo di Palazzo Poggi, a 15th-century family palace that houses the Institute of Science, established in 1711. The museum is a reconstruction of the institute's laboratories and collections.

Art Hotel Orologio (B)





Italia

ITINERARY Continued...



$$\sum_{n=0}^{\infty} 4^{-n} = 1 + 4^{-1} + 4^{-2} + 4^{-3} + \dots = 4/3$$



Day 7: Friday, June 15: Florence

This morning, visit the Biblioteca dell'Archiginnasio and see the original volume of algebra by Bombelli. The building itself is also a treat; constructed in the 1560s, it features grand staircases and vaulted galleries. Later, ride the train to Florence and check in to your hotel in Florence for four nights.

Palazzo Ricasoli (B)

Day 8: Saturday, June 16: Florence

Take a half-day walking tour that includes visits to the Basilica di Santa Maria del Fiore, the Duomo. Brunelleschi's dome is an engineering—and artistic—marvel that dominates the Florence skyline. Also see the baptistery and the campanile. Stop at the Uffizi Gallery, Florence's premier art museum, housing works by da Vinci, Botticelli, Giotto, Titian, Carravaggio, and more. This afternoon enjoy time to explore the city on your own.

Palazzo Ricasoli (B)

Day 9: Sunday, June 17: Florence:

The morning is free for independent explorations of Florence. Later tour the Gardens of Archimedes, known as "A Museum for Mathematics" with the museum's curator. Exhibits include geometry, Pythagoras' theorem, Pisano and Arabic math, Galileo's mechanics, and the history of math in Italy from 1800 to 1950.

Palazzo Ricasoli (B)

Day 10: Monday, June 18: Florence

Follow in the footsteps of Galileo and take a walking tour of Florence to view some of the places associated with this famous Italian scientist.

At the church of Santa Croce see his tomb with the moons of Jupiter. Join a local guide for a tour of the Museo Galileo, home to the only surviving instruments designed and built by Galileo himself. The afternoon is free for private explorations. In the evening, visit the Arcetri Astrophysical Observatory. It was in Arcetri where Galileo spent his last years under house arrest and wrote his most seminal work. Enjoy dinner together this evening.

Palazzo Ricasoli (B,D)



Italia



ITINERARY Continued...

Day 11: Tuesday, June 19: Rome.

Drive to Perugia, under the guidance of Maria Clara Nucci, to explore the university where Pacioli taught, and see a special mathematics exhibit. Then continue to Rome, arriving late afternoon.

Eurostars International Palace Hotel (B)

Day 12: Wednesday, June 20: Rome

Meet with Ana Millan Gasca for a talk about Cremona and then tour Rome's Castelnuovo Library, part of Sapienza University. In the afternoon, explore the Coliseum and Forum, engineering masterpieces that have weathered two millennia. Discover the magnificent architectural design of the Pantheon, an inspiration for countless architects through the ages and step inside the Church of Sant'Ignazio and admire Andrea Pozzo's bold *trompe l'oeil* interior fresco and its use of perspective.

Eurostars International Palace Hotel (B)

Day 13: Thursday, June 21: Rome

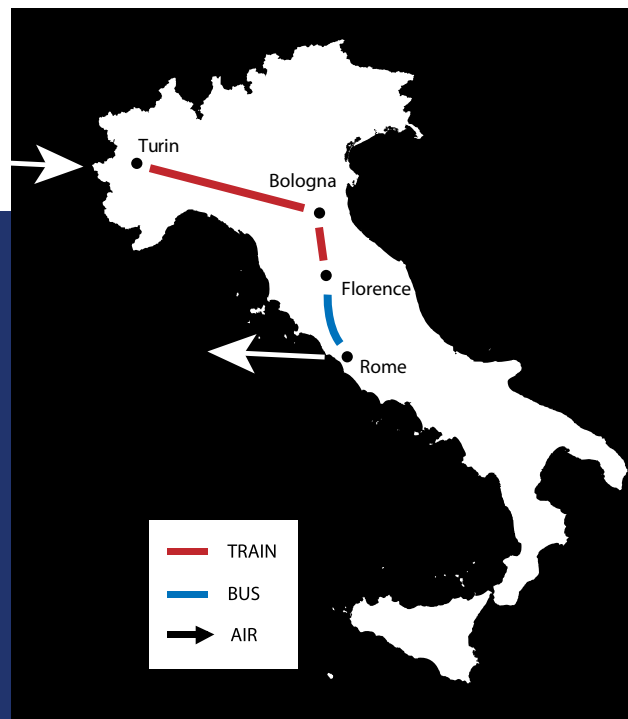
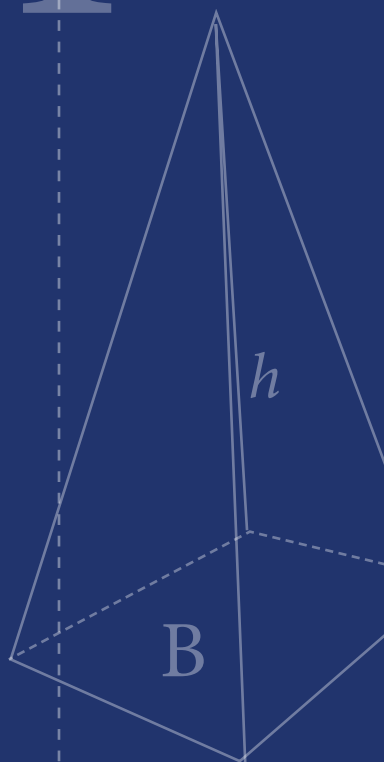
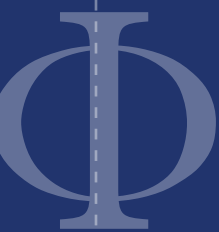
Take in the major sights of the Vatican, including St. Peter's Basilica. View Michelangelo's awe-inspiring frescoes in the Sistine Chapel, and see rare books and manuscripts in the Vatican Library, subject to confirmation. This evening, celebrate your expedition to Italy at a farewell dinner.

Eurostars International Palace Hotel (B,D)

Day 14: Friday, June 22: Rome/US

Drive to Rome's Fiumicino Airport for flights home.

(B, Meals aloft)



TOUR PRICING

Tour cost (exclusive of air)

With 25 or more	\$4,750
With 21 to 24	\$5,050
With 15 to 20	\$5,450

For a single room add \$1,590





Italia



Terms & Conditions

What is included in the tour price:

- All transportation within Italy including transfer to the hotel upon arrival and back to the airport upon departure; private bus or train as indicated in the itinerary
- All accommodations (based on double occupancy): 3 nights in Turin, 2 nights in Bologna, 4 nights in Florence, 3 nights in Rome.
- Meals as indicated in the tour itinerary: all Breakfasts, 3 dinners with wine, and a welcome reception.
- All sightseeing and visits as noted in the itinerary
- Wireless transmitter devices which allow group members to hear the guide while not standing right next to him or her.
- Baggage handling for one bag plus one carry-on bag per person.
- All tips, gratuities and local taxes for group activities.
- The assistance of an ATA tour manager for comprehensive logistical and customer service management on tour.
- The assistance of an ATA professional travel counselor assigned to the MAA program to assist with travel arrangements, including flights, extra hotel nights, or other services.
- Comprehensive pre-departure mailings and materials with information about the destination and what to expect on tour including a suggested reading list.
- \$50,000 in medical evacuation insurance and access to worldwide emergency assistance coverage for each traveler
- Coverage of MAA as an additional insured party on ATA's tour operators' professional liability insurance and comprehensive general liability insurance which includes but is not limited to Blanket Contractual Liability, with Bodily Injury and Property Damage limits of liability of at least \$1,000,000 combined single limit and excess liability coverage of at least \$5,000,000. (ATA provides certificates of insurance that show that the Client is an additional insured party on the insurance policies).
- Comprehensive briefing for all tour staff.

What is not included:

- Round-trip international airfare for the participants
- Passport fees, visas, and visa photos as required
- Personal items such as wines, liquors, a-la-carte orders, meals other than specified
- Room service and valet/laundry service
- Expenses incurred by our tour operators in making individual travel arrangements in conjunction with the tour
- Meals or activities not specifically mentioned as included

To reserve your space:

Please contact Academic Travel Abroad, Inc at 1(800)556-7896
or visit them on the web at: www.academic-travel.com

$$\sum_{n=0}^{\infty} 4^{-n} = 1 + 4^{-1} + 4^{-2} + 4^{-3} + \dots = 4/3$$