

## Introduction to Architectural Proportion

### Highly Recommended In-Class Workbook

Fletcher, Rachel. *Infinite Measure: Learning to Design in Geometric Harmony with Art, Architecture, and Nature* (Staunton, VA: George F. Thompson Publishing, 2013).

### Recommended Reading

Bass, Steve. *Beauty Memory Unity: A Theory of Proportion in Architecture* (New York: Lindisfarne Books, 2019).

Bass, Steve. *Constructive Geometry*, Parts I-IV. Video presentation (New York: Institute of Classical Architecture & Art, 2022). <https://www.classicist.org/articles/constructive-geometry-with-steve-bass-part-1/>

Brunés, Tons, *The Secrets of Ancient Geometry—and Its Use*, Vols. 1 and 2, translated by Charles M. Napier (Copenhagen, Denmark: Rhodos, 1967).

Calter, Paul, *Squaring the Circle: Geometry in Art and Architecture* (Emeryville, CA: Key College Publishing, 2008).

Critchlow, Keith, *Islamic Patterns* (New York: Schocken Books, 1976).

Doczi, Gyorgy, *The Power of Limits* (Boulder: Shambala, 1981).

Euclid, 1926, *The Thirteen Books of the Elements*, translated by Sir Thomas L. Heath and Johan Ludvig Heilberg (New York: Dover, 1956).

Fletcher, Rachel, "An American Vision of Harmony: Geometric Proportions in Thomas Jefferson's Rotunda at the University of Virginia," *Nexus Network Journal*, Vol.5, No. 2 (2003): 7–50.

\_\_\_\_\_, Geometric Proportions in Measured Plans of the Pantheon of Rome, *Nexus Network Journal* <https://doi.org/10.1007/s00004-018-00423-2> (2019).

Ghyka, Matila, 1946, *The Geometry of Art and Life* (New York: Dover, 1977).

Hambidge, Jay, 1932, *Practical Applications of Dynamic Symmetry* (New York: The Devin-Adair Company, 1960).

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Herz-Fischler, Roger, *A Mathematical History of the Golden Number* (New York: Dover Publications, 1998).

Lawlor, Robert, *Sacred Geometry* (New York: Crossroad, 1982).

Le Corbusier (Charles-Edouard Jeanneret), 1948, 1955, *Modulor I and II*, translated by Peter de Francia and Anna Bostock (Cambridge, MA: Harvard University Press, 1980).

March, Lionel, *Architectonics of Humanism: Essays on Number in Architecture* (Chichester, West

Sussex: Academy Editions, 1998).

Michell, John, *The Dimensions of Paradise* (San Francisco: Harper & Row, 1988).

Padovan, Richard, *Proportion: Science, Philosophy, Architecture* (London: E & FN Spon, 1999).

Palladio, A., 1570, *The Four Books on Architecture*, translated by Robert Tavernor and Richard Schofield (Cambridge, MA: The MIT Press, 1997).

Scholfield, P.H., *The Theory of Proportion in Architecture* (Cambridge: Cambridge University Press, 2011).

Serlio, Sebastiano. 1537–1547. *Sebastiano Serlio on Architecture*, Vol. I, translated by Vaughan Hart and Peter Hicks (New Haven: Yale University Press, 1996).

Schneider, Michael, *A Beginner's Guide to Constructing the Universe* (New York: HarperCollins, 1994).

Theon of Smyrna, 1892, *Mathematics Useful for Understanding Plato*, edited by Christos Toulis and translated by Robert and Deborah Lawlor (San Diego, CA: Wizards Bookshop, 1979).

Thompson, D'Arcy Wentworth, 1917, *On Growth and Form* (New York: Dover, 1992).

Vitruvius, *Ten Books on Architecture*, edited by Thomas Noble Howe and translated by Ingrid D. Rowland (Cambridge, UK: Cambridge University Press, 1999).

Wittkower, Rudolf, 1949, *Architectural Principles in the Age of Humanism* (London: St. Martin's Press, 1988).