

LOVE and MEASUREMENT:

Perspective and Proportions: Selected Bibliography

A separate list is available regarding Leonardo da Vinci and mathematics
and regarding Luca Pacioli

- Leon Battista Alberti (1435). *On Painting, De Picture*, a new translation and critical edition by Rocco Sinisgalli, Cambridge: Cambridge University Press, 2011.
- Alberti. *On the art of building in ten books*, translated by Joseph Rykwert, Neil Leach and Robert Tavernor, Cambridge, Mass. and London: MIT Press, 1988.
- Rudolf Arnheim. *The Power of the Center. A Study of Composition in the Visual Arts*, new version, Berkeley, Los Angeles, London: University of California Press, 1988.
- Christopher Braider. 'Una piu grassa Minerva: The Origins of Perspective and the Aesthetics of the Incarnation of Alberti's *Della pittura*' in Braider. *Refiguring the Real. Picture and Modernity in Word and Image 1400-1700*, New Jersey: Princeton University Press, 1993, pp. 20-36.
- Alfred W. Crosby. *The Measure of Reality. Quantification and Western Society (1250-1600)*, Cambridge &c.: Cambridge University Press, 1997.
- Nader El-Bizri. 'Meanings of perspective in the Renaissance: tensions and resolution' in Hendrix and Carman (eds.). *Renaissance Theories of Vision*, Farnham: Ashgate, 2010.
- Samuel Y. Edgerton Jr. *The Heritage of Giotto's Geometry. Art and Science on the Eve of the Scientific Revolution*, Ithica and London: Cornell University Press, 1991.
- Euclid (active 300 BCE). *The Elements of Euclid*, translated by Isaac Todhunter, London and New York: Dent and Dutton respectively, 1933.
- Euclid. *The Thirteen Books of Euclid's Elements*, 3 volumes, translated from the text of J.L. Heiberg by Thomas L. Heath, New York: Dover, reprinted 1956. **HL**
- J. V. Field. *The Invention of Infinity. Mathematics and Art in the Renaissance*, Oxford, New York and Tokyo: Oxford University Press, 1997.
- Richard Foster and Pamela Tudor-Craig. *The Secret Life of Paintings*, Woodbridge: Boydell Press, 1986.
- Laura Geatti and Luciano Fortunati. "'The Flagellation of Christ" by Piero della Francesca: A Study of Its Perspective', *Leonardo*, vol.25, nos. 3/4, 1992, pp. 361-367.
- Thomas L. Heath. *A manual of Greek mathematics*, Oxford: Clarendon Press, 1931.
- Heath. *The Method of Archimedes, recently discovered by Heiberg; a supplement to the Works of Archimedes, 1897*, Cambridge: Cambridge University Press, 1912.
- Heath (ed.). *The works of Archimedes, in modern notation*, with introductory chapters, Cambridge, University Press, 1897.
- Heath. *Apollonius, of Perga. Treatise on conic sections, in modern notation*, with introductions including an essay on the earlier history of the subject, Cambridge: Cambridge University Press, 1896.
- John S. Hendrix and Charles H. Carman. 'Classical optics and the perspectivae traditions leading to the Renaissance' in Hendrix and Carman (eds.). *Renaissance Theories of Vision*, Farnham: Ashgate, 2010.

- Martin Kemp. *Visualisations. The Nature Book of Art and Science*, Oxford and New York: Oxford University Press, 2000.
- Kemp. *The Science of Art. Optical themes in western art from Brunelleschi to Seurat*, New Haven and London: Yale University Press, 1990 [an extract annotated by AF available to class pp. 44-52].
- Luca Pacioli (1509). *Divine proportion: œuvre nécessaire à tous les esprits perspicaces et curieux, où chacun de ceux qui aiment à étudier la philosophie, la perspective, la peinture, la sculpture, l'architecture, la musique et les autres disciplines mathématiques, trouvera une très délicate, subtile et admirable doctrine et se délectera de diverses questions touchant une très secrète science*,¹ translated by G. Duchesne and M. Giraud, Paris: Librairie du Compagnonnage, 1980.
- Mark A. Peterson. *Galileo's Muse. Renaissance Mathematics and there Arts*, Cambridge, Mass.: Harvard University Press, 2011.
- Leonardo Pisano (1202). *Fibonacci's Liber Abaci*, translated by Laurence Sigler, New York and London: Springer, 2003.
- Hugh Plommer. *Vitruvius and later Roman building manuals*, London: Cambridge University Press, 1973
- Dick Tahta. 'Hidden Ratios', *The Mathematic Gazette*, vol.76, no.477, November 1992, pp. 335-344.
- Michael Woods. *Perspective in Art*, London: Batsford, 1984. **HL**
- Nigel V. Walters. *Principles of Perspective*, London: Architectural Press, 1970. **HL**
- R. Wittkower. 'Brunelleschi and 'Proportions in Perspective'', *The Journal of the Warburg and Courtauld Institutes*, vol.16, nos. 3/4, 1953, pp. 275-291.
- R. Wittkower and B.A.R. Carter. 'The Perspective of Piero della Francesca's "Flagellation"', *The Journal of the Warburg and Courtauld Institutes*, vol.16, nos. 3/4, 1953, pp. 292-302.
- Lawrence Wright. *Perspective in Perspective*, London, Boston &c.: Routledge & Kegan Paul, 1983.
- Vitruvius. *Ten books on architecture*, translated by Ingrid D. Rowland with commentary and illustrations by Thomas Noble Howe and additional commentary by Ingrid D. Rowland and Michael J. Dewar, Cambridge: Cambridge University Press, 1999.

**LOVE and MEASUREMENT:
Additional Specialist Bibliography**

- Marsilio Ficino (1489). *Three Books of Life, A Critical Edition*, translated by Carol V. Kaske and John R. Clark, Tempe, Arizona: Medieval and Renaissance Texts and Studies, 1998.
- Matila Ghyka (1946). *The Geometry of Art and Life*, New York: Dover, 1977.
- Andrea Gleiniger and Georg Vrachliotis (eds.). *Pattern. Ornament, Structure, and Behaviour*, Basil, Boston, Berlin: Birkhauser: 2009.
- Jasper Hopkins. *A concise introduction to the philosophy of Nicholas of Cusa*, Minneapolis: University of Minnesota Press, 1978.

¹ *Divine Proportion. A work essential for all insightful and curious minds, where all of those who like to study Philosophy, Perspective, Painting, Sculpture, Architecture, Music and other Mathematical disciplines, will find a very delicate, subtle and admirable doctrine and will take delight in various issues connected with a very recondite science.*

Nicholas of Cusa. *Of learned ignorance*, translated by Germain Heron, Westport, Conn.: Hyperion Press, 1979.

D'Arcy Wentworth Thompson. *On Growth and Form*, abridged and edited John Tyler Bonner, Cambridge: &c.: Cambridge University Press, 1961.

Frances A. Yates *Giordano Bruno and the Hermetic Tradition*, London &c.: Routledge & Kegan Paul, 1964.

Yates. *Ideas and Ideals in the North European Renaissance, Collected Essays Volume III*, London &c: Routledge & Kegan Paul, 1984.