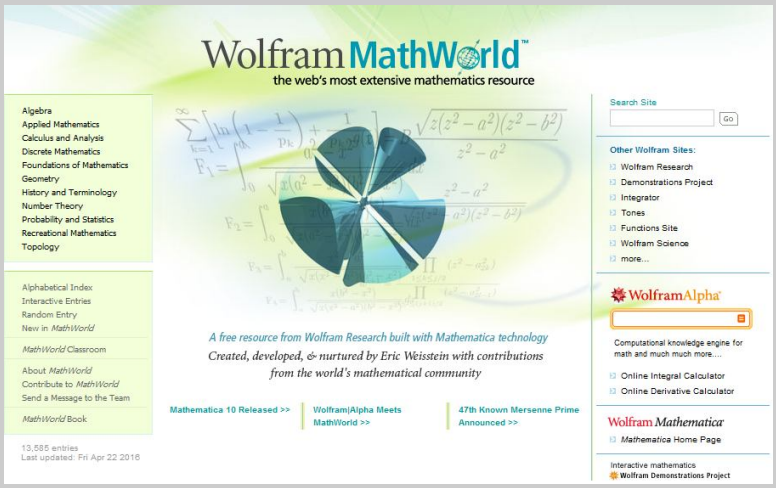
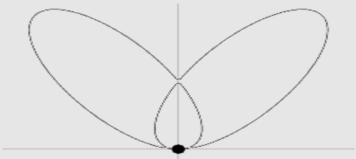
Name of the Tool	**Wolfram MathWorld**
Home Page	
Logo	
URL	http://mathworld.wolfram.com/
Subject	Mathematics -Dictionaries
Accessibility	Free
Language	English
Publisher	Wolfram Research Inc.
Brief History	MathWorld has been assembled over more than a decade by Eric W. Weisstein with assistance from thousands of contributors. Since its contents first appeared online in 1995, MathWorld has emerged as a nexus of mathematical information in both the mathematics and educational communities. It not only reaches millions of readers from all continents of the globe, but also serves as a clearinghouse for new mathematical discoveries that are routinely contributed by researchers. Copyright date is 1999-2016.

Scope and Coverage	The site's nearly 13,565 entries (as on 11th Aprill, 2016).
Kind of Information	Meanings and definitions of different mathematical concepts (e.g. Borel Hierarchy, Acnode etc are present here. Mathematical terms also include graphs, equations where available with their definitions. See and see also references are also available. Below the entry the references are present and how this entry can be cited in other works is represented. An example is given below for clear understanding: **Tacnode**  A double point at which two (or more) osculating curves are tangent. The above plot shows the tacnode of the curve $2x^4 - 3x^2y + y^2 - 2y^3 + y^4 = 0$. The capricornoid and links curve have tacnodes at their origins. **SEE ALSO:** Acnode, Capricornoid, Crunode, Double Point, Links Curve, Osculating Curves, Spinode **REFERENCES:** Walker, R. J. *Algebraic Curves.* New York: Springer-Verlag, pp. 57-58, 1978. Referenced on Wolfram|Alpha: Tacnode **CITE THIS AS:** Weisstein, Eric W. "Tacnode." From *MathWorld*--A Wolfram Web Resource. http://mathworld.wolfram.com/Tacnode.html
Special Features	❖ The MathWorld Classroom which provides a set of pop-up "capsule summaries" for more than 300 mathematical terms is a special feature of this dictionary. ❖ Alphabetical index to entries is present. ❖ Extensive citations to books and journal articles, many of which are actively hyperlinked.

	❖ Thousands of downloadable Mathematica notebooks are available. ❖ Several types of interactive entries, including LiveGraphics3D applets for interactive three-dimensional geometry are available here. ❖ A powerful full-text search engine with both basic and advanced searching capabilities is also present. ❖ Dublin Core and Mathematics Subject Classification metadata in the HTML headers of each page. ❖ Link to other Wolfram sites (e.g. Wolfram Mathematica, Wolfram Alpha etc.) is seen.
Arrangement Pattern	Categories are arranged alphabetically in this dictionary. In the left side of the home page the categories are arranged such as Algebra, Applied Mathematics, Calculus and Analysis, Discrete Mathematics, Foundations of Mathematics, Geometry etc. The categories are divided into various sub categories which are also arranged alphabetically. For example, under the category 'Geometry ', the sub categories like Algebraic geometry, Plane geometry, General geometry, Combinational geometry etc. are arranged. Sub categories are divided into further sub sub categories like 'Algebraic geometry' is divided into Abstract algebraic curves, General algebraic geometry, Varieties etc. Under these sub sub categories the terms are arranged in alphabetical order. For example 'Abstract algebraic curves' includes Acnode, Bifolium, Crunode etc.
Remarks	This user friendly dictionary on various mathematical terms is a great reference tool for the mathematics lovers. Its categorical organization of the terms and graphical representation of formulas, graphs, equations etc. have made this tool highly comprehensible.
Comparable Tools	➢ Mathematical Programming Glossary (http://glossary.computing.society.informs.org/ver2/mpgwiki/index.php?title=Main_Page)

	➢ Math.com Glossary (http://www.math.com/school/glossary/glossindex.html) ➢ Mathematics Dictionary & Glossary for students (http://www.itseducation.asia/mathematics/)
Date of Access	April 11, 2016