I · Numerical methods

AQA · A-Level · Mathematics · Vocabulary in context

Word	Example
numerical method /nju:ˈmerɪkl ˈmeθəd/	A **numerical method** can give an approximate root.
iteration /ˌɪtəˈreɪʃn/	A loop is a kind of **iteration**.
Newton–Raphson /ˈnju:tn ˈræfsn/	**Newton–Raphson** uses a tangent to estimate a nearby root.
trapezium rule /trəˈpi:zɪəm ru:l/	The **trapezium rule** estimates an integral using straight-sided strips.
continuous /kənˈtɪnju:əs/	The beta particles have a **continuous** range of energies. β
bisection /baɪˈsekʃn/	**Bisection** repeatedly halves an interval containing a root.
staircase diagram	In a **staircase diagram**, the steps move closer to the root from one side.
cobweb diagram	In a **cobweb diagram**, the lines spiral in towards the root.
converges /kənˈvɜ:dʒɪz/	The series $1 + ½ + ¼ + \ldots$ **converges** to 2. $1 + ½ + ¼ + \ldots \quad 2$

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