AREA 22

## CALCULUS

An old Subject modified during 450BC - Fill date.

"meaning": Came from Latin: - Small Stone / pebbel.

Stanted by ("perhaps"): Antiphone (430 BC. Greece).

Fuclid (300 BC, Alexandria)

Archimedes (250 BC, Greece)

parabola.

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Archimedes Computed the area of a parabolic Segment (Also: area & Circumference of a Circle).

Than he asked:

Area of: a "Continuous" fr. . Ans: (Newton & Leibniz: 1670). He needs it for his law of motion. This integration is/was fine: AND that's own "School integration." It is Still the BEST! BUT, Conceptually . O School Newton / Leibniz integration: & f; [aib] -> IR Cont. fn He needed it for integrations discort for (not too many discour) An integration which make sense. not too badly dis cont. fr. Lebesque întegration: Deals with highly discont. & measure theory.

Jaydeb Sarkan