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(57) Abstract :

The present invention relates to a tactile graph plotting tablet (100) designed for visually impaired mathematics learners. It comprises a pin-matrix surface (101) with electro-mechanical pins (102) that dynamically form tactile graphs. The device includes a haptic stylus (107), Braille keypad (104), and a processing module (105) to interpret mathematical inputs via voice or Braille. This interactive tool enables real-time graph plotting, allowing users to explore curves through touch, enhancing accessibility and independent learning in mathematics for the visually impaired.

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