

**ZMATH 1995f.03840**

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**A problem on the turning points of polynomials.**

Int. J. Math. Educ. Sci. Technol. 26, No. 5, 675-684 (1995).

The construction of polynomials with maximum turning points lower than minimum turning points is investigated. As well as providing cautionary examples for students, the solution requires the application of quadratic inequalities and could provide an interesting topic for coursework at A level. The problem also provides an opportunity for practice in the use of graph plotting software. (orig.)

*Classification:* I40

doi:10.1080/0020739950260504