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**Duffy, D.; O'Donoghue, J.**

**Use of the compiler as a mathematics teaching resource.**

Int. J. Math. Educ. Sci. Technol. 23, No. 5, 637-650 (1992).

The zero-address code output from a computer compiler proves to be useful in producing computer enhanced learning material in mathematics education. The authors adapted a program to produce this code for mathematical expressions. This code is then interpreted in a number of different ways which prove useful to the teacher. In particular, programs are produced capable of evaluating and plotting non-continuous mathematical functions, and, symbolically differentiating a function in the variable  $x$ . (orig.)

*Classification:* I20

*Keywords:* computer enhanced learning (cel); compiler

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