

## Updating Java Coding for the 1997 Revision to the DOE Insulation Fact Sheet

In 1998 a program was created in conjunction with the 1997 revision to the Department of Energy's Fact Sheet. The java-based program is used to estimate the needed insulation R-value for new or existing homes. The data is comprised of 4 fuel types and 4 house types with varying characteristics for each house and fuel type. Some of the characteristics used in determining the R-value are zip code, new or existing home, wood or metal frame, natural gas or electric heat, and air conditioner or heat pump. To provide a tabular summary of all these recommendations, macros are being developed to facilitate an efficient means of running the very large number of cases needed to produce this summary. Until the macros and algorithms are completed the existing tables (1998) and the updated (2002) interactive code will give inconsistent results for a number of locations. New algorithms are also being researched to determine if the results of more recent research should be incorporated in the code.

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