NAME
mm2gv – Matrix Market-DOT converters

SYNOPSIS
mm2gv [**−cluv?**] [**-o**_outfile_] [_file_]

DESCRIPTION
mm2gv converts a sparse matrix of the Matrix Market format to a graph in the GV (formerly DOT) format.

OPTIONS
The following options are supported:

−c   This flag causes **mm2gv** to assign colors to the edges. The matrix element is scaled to the range [0,1] depending on where it lies between the minimum and maximum set matrix values. This scaled value is used as the _"wt"_ attribute of the corresponding edge. In addition, this scalar value is mapped to an RGB value, which is stored as the edge _"color"_.

−l   If set, **mm2gv** attaches a label to the graph indicating the base name of the input file, and the number of nodes and edges.

−u   If specified, the graph is assumed to be undirected. By default, the graph generated is directed.

−v   This flag causes **mm2gv** to store the matrix values as the _"len"_ attribute of the corresponding edge.

−o_outfile_
Prints output to the file _outfile_. If not given, **mm2gv** uses stdout.

OPERANDS
The following operand is supported:

file   Name of the file in MatrixMarket format. If no _file_ operand is specified, the standard input will be used.

RETURN CODES
Return **0** if there were no problems during conversion; and non-zero if any error occurred.

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ADDITIONAL INFO
See http://math.nist.gov/MatrixMarket/ for description of the format and http://www.cise.ufl.edu/research/sparse/matrices/ for a large collection of sparse matrices in this format.