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Differences in Radiative Heat Transfer through Filtered Glass TAYLOR ZIMMERMAN, EDWARD HAMILTON, LeTourneau University — The aim of this experiment was to determine which filters on glass would help reduce the termperature in a car exposed to solar heating. A plywood box was built and tested with different filters and screens using the same thermal energy input, with results showing the relative efficacy of each at controlling the rise in temperature. A reflective screen using crumpled aluminum foil was found to give the best reduction in heating.

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