

**AN ASSESSMENT OF THE EFFECTS OF SQUARE AND NUCLEAR SHAPED
THERMAL PULSERS ON CONDUCTIVE AND NON-CONDUCTIVE MATERIALS**

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At present , most thermal testing in the UK has been undertaken on simulators which produce a square thermal pulse profile which does not correspond to the thermal pulse profile emitted in a nuclear weapon explosion.

The paper discusses the possibilities of identifying a more acceptable simulation for thermal weapons effects testing by comparing theoretically developed temperature rises in typical target materials and outlines preliminary investigations in this field.