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Study on Dynamic Fragmentation of Multiple Metal Rings under High Explosive Loading TIEGANG TANG, GUOWU REN, ZHAOLIANG GUO, QINGZHONG LI, Institute of Fluid Physics, Chinese Academy of Engineering Physics, Mianyang 621900 — An experimental platform for metal expanding ring incorporating with exploding wire technique is set up to improve the instability of high explosive loading. The experimental designs including the circuit control and test performance are illustrated in great detail. Furthermore, on the basis of this technique we investigate dynamic fragmentation of multiple rings stacked on a metal driver. The statistical distribution of recovered fragments is discussed.

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