**Abstract title**

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|  | (1) |

Equ. 1 is from Einstein’s 1905 paper on his *E* = *m c*2 theory [1], and Fig. 1a,b show examples of crack resistance curves of additive manufactured AlSi10Mg [2] and 18Ni-300 maraging steel [3], respectively.

A diagram of a crack and a graph

Description automatically generated with medium confidence**Fig. 1**: Impact of (a) testing orientation on the crack resistance curve behavior of AlSi10Mg, and (b) heat-treatment on the fracture resistance of 18Ni-300 maraging steel.

# References

[1] Einstein A. Ist die Trägheit eines Körpers von seinem Energieinhalt Abhänging? Annalen der Physik 1905; 18:639–641.

[2] Paul MJ, Liu, Q, Best JP, Li X, Kruzic JJ, Ramamurty U, Gludovatz B Fracture resistance of AlSi10Mg fabricated by laser powder bed fusion. Acta Mater. 2021; 211:116869.

[3] Paul MJ, Muniandy Y, Kruzic JJ, Ramamurty U, Gludovatz B. Effect of heat treatment on the strength and fracture resistance of a laser powder bed fusion-processed 18Ni-300 maraging steel. Mater. Sci. Eng. A. 2022; 844: 143167.