

Cooled Ablation

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March 1, 2018

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- What is laser ablation ?
- Principles of cooled laser ablation

2 MatLab simulation

- Choices of programming
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Introduction

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Thanks

What is laser ablation ?

Principles of cooled laser ablation

The "Toy model"

Ablation after m pulses : Proof

$$T_c < T_{material} = T_0 + \Delta T + \frac{\Delta T}{\sqrt{1 + \frac{\tau_R}{\tau_0}}} + \frac{\Delta T}{\sqrt{1 + \frac{\tau_R}{\tau_0}}} + \dots$$

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- MatLab is, sometimes, a "black box",

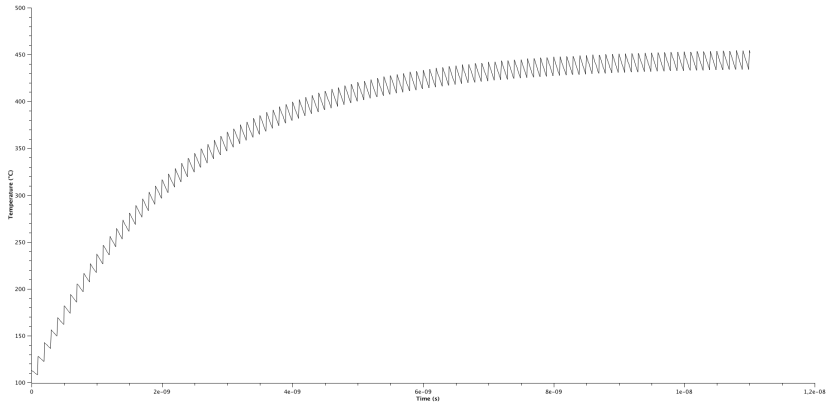
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Negative aspects

- MatLab is, sometimes, a "black box",
- It is not a free software.



Temperature evolution of the impact point

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Thank you for your attention