

P117/L16: the porosity is denoted as  $\Phi$  whereas in Eq1 it is denoted as  $\varphi$ . This should be unified. Further the variable  $C_F$  in Eq1 is not explained in the text.

P125/L8: At the end of the sentence the word be is not necessary, the sentence should end with: .the acceleration due to gravity is lower than on earth.

P126/L5: The sentence is incomplete. I guess the author means: To investigate the effects of the penetrator impact on the thermal properties of the target **measurements** were made in two different ways as shown in Fig. 8.

P172/L23: I guess in this context the author means Fig. 11 not Fig. 15

The author should check the references. Some of the articles listed in the section References could not be found in the text and vice versa.