

helps to me if it is not trespassing too  
much on your kindness.—

I have come up to town for a little  
while and shall be at the above address  
till the end of the month.— I was fortunate  
enough to be in time for Dr. Lodge's  
lecture on "The Work of Hertz" which  
was wonderfully interesting.— Last night  
I went to the Royal Society <sup>Meeting</sup> but it was  
too much of a strain to see other people  
or things comfortably,— & I was too tired  
to do any work this morning, so I  
don't think it benefited me much.  
With kind regards

Believe me to be  
Yours very truly  
Emma Maria Paillard

8 Blaenford Place  
Regents Park

19/79

NW  
June 14<sup>th</sup> 1914

Dear Professor Fitzgerald

I did not mean to trouble  
you with any more questions so soon,  
but if you will forgive my doing so,  
& help me by answering one or two,  
or directing me how to find the answers,  
I shall be extremely obliged.—

In the first place is the "explanation"  
of gravitation, which Clerk Maxwell  
gives some account in his Article "Atom"  
(Collected Papers vol. II p 472 — p 477) still  
the only one put forward on the  
vortex-atom theory? — If so has it re-  
ceived any further theoretical elucidation?

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since then, & in particular has the  
objection difficulty (which Poynting  
seems to me on the face of it rather  
insuperable,) of how the temperature  
of bodies can remain moderate while  
their atoms are exposed to such a  
bombardment, been answered or treated?  
I am afraid the consideration of such  
questions is likely to be involved with  
very much more mathematics than  
it would be possible for me to encounter,  
being exceedingly bad in that respect.—  
Still I feel sure you will not mind  
my asking you.— The vortex atom  
is the only one of which I have tried  
to give any idea in the book I am  
writing, & I feel I should like to know  
distinctly what in the judgment of those  
~~capable of forming~~ who have really  
investigated the subject its capabilities

are at present considered to be with reference  
to such an important matter as  
gravitation.— I am trying to include  
all I have room to say on inorganic  
Matter in three chapters— "Fundamental  
Properties of Matter" (but I think this  
title will have to be altered for I do not  
much like it)— "Force & Motion"—  
"Energy," & there are now pretty well  
written out in the first instance, but  
will need of course much careful going  
over.— Whether I have avoided  
the "many pitfalls" of which you  
warned me on the subject of Force  
I hardly know.— I wish I might ask  
you when I have done all I can  
in the way of improvement myself, to  
read through this chapter in the S.  
& tell me.— It would be of invaluable