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Given that  $a$  has the units of (Joule x meter),  $m$  is the electron mass, and  $h$  is the Planck constant, the quantities having the dimensions of energy and length, respectively, are

- $am/h, h/m$
  - $(a^2)m/h, h/(am)$
  - $hm/a, (a^2)/(hm)$
  - $(m^2)/h, ah/(m^2)$
  - $(a^2)m/(h^2), (h^2)/(am)$
  - none of the above
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