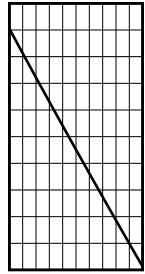


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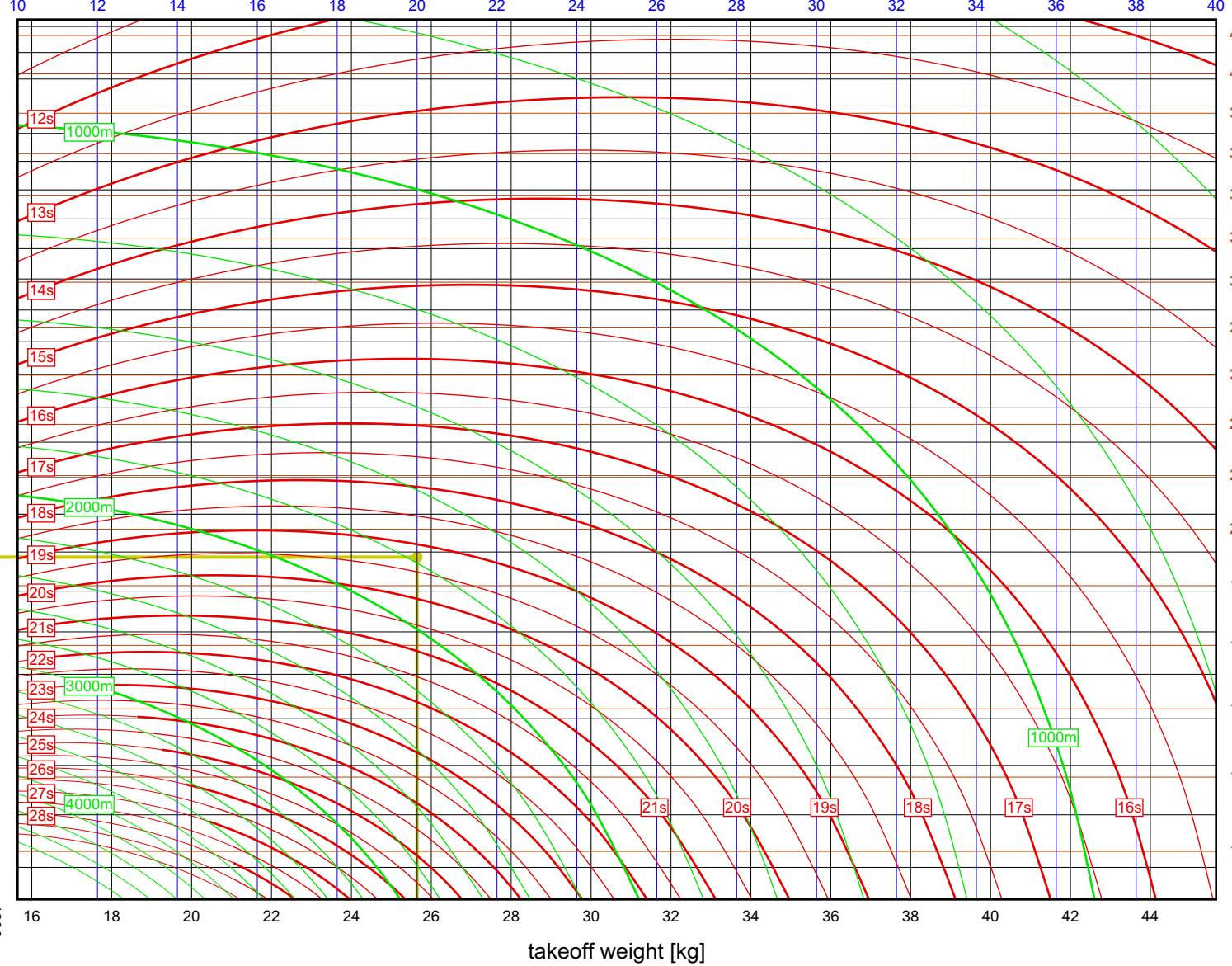
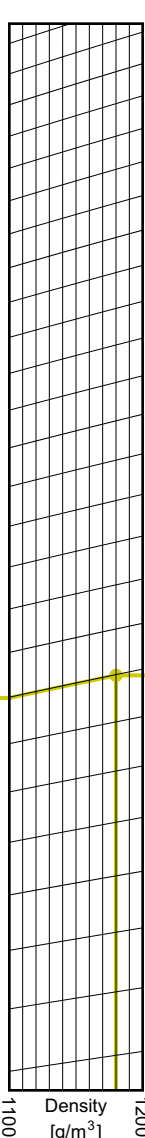
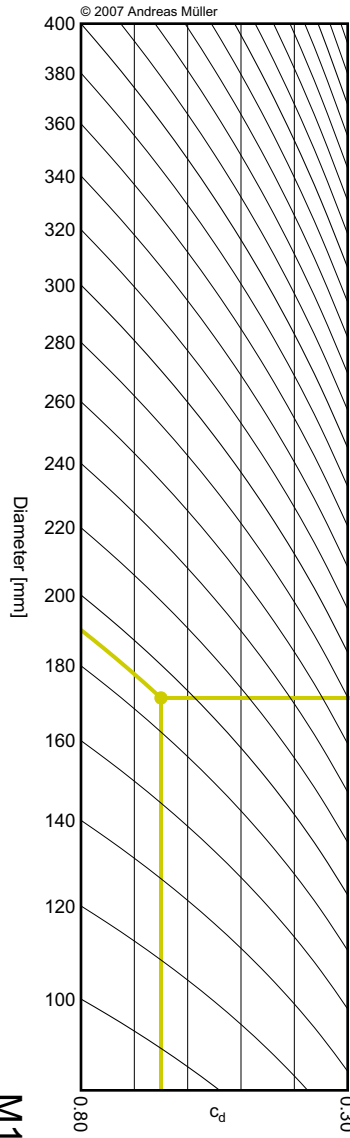
$I_{tot} = 6645.3 \text{ Ns}$
 $F_{avg} = 1117.1 \text{ N}$
 $t_{burn} = 5.95 \text{ s}$
 $d = 75 \text{ mm}$



1. From rocket diameter scale move down along slanted line to vertical line matching drag coefficient.
2. Move along horizontal to left border of density scale
3. Move up slanted line to vertical line matching density at launch site
4. From intersection point move horizontally to vertical line matching rocket mass
5. Read off expected time to apogee from red curves, altitude from green curves

Example: diameter = 190mm, drag = 0.65, density = 1180 g/m³, weight = 25.645kg
Results: time to apogee: 19.2s, expected altitude: 1784m

empty weight [kg]



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7.5" ⁹