

## Космический корабль в атмосфере

**A1**

$$\frac{dh}{dt} =$$

$$\frac{ds}{dt} =$$

**A2**

$$\frac{dv}{dt} =$$

$$\frac{d\gamma}{dt} =$$

**B1**

$$\frac{dv}{dh} =$$

**B2**

$$v(h) =$$

Приближённое выражение:

$$v(h) =$$

**B3**

$$a(h) =$$

**B4**

$$h_c =$$

$$v_c =$$

$$a_{\max} =$$

**B5**

$h$ , км	40	60	80
$v$ , км/с			
$a/g_0$			

**B6**

$$a_{\max} =$$

$$h_c =$$

**C1**

$$v_s =$$

**C2**

$$v(h) =$$

**C3**

$$a(v) =$$

**C4**

$$s =$$

**C5**

$h$ , км	40	60	80
$v$ , км/с			
$a/g_0$			

**C6**

$$s =$$

**D1**

$$E =$$

$$L =$$

**D2**

Уравнение моментов:

$$P =$$

**D3**

$$\vec{L}(t) =$$

**D4**

$$\vec{e}_i =$$

$$\beta =$$

**D5**

$$\vec{r} =$$

**D6**

$$v^2(\varphi) =$$

**D7**

$$\langle v^2 \rangle(\varphi) =$$

**D8**

$$\langle \dot{E} \rangle(\varphi) =$$

**D9**

$$a(t) =$$

$$e(t) =$$

**D10**

$$T =$$