

NAMES:

DATE:

4. DC CIRCUIT REGULATION

Resistors:

lettered (.....) $R_L = \dots\dots\dots \text{k}\Omega$;

numbered (....) $R_L = \dots\dots\dots \Omega$,

helipot: (....) $R_H = \dots\dots\dots \text{k}\Omega$;

source: (....): $U_t = \dots\dots\dots \text{V}$.

1. Serial regulation

		x	y	x^2	$x \cdot y$
n	I	R_1	$1/I$		
[-]	[mA]	[k Ω]	[1/mA]	[]	[]
0					
100					
200					
300					
400					
500					
600					
700					
800					
900					
1000					
average:					

a =

b =

E =

$R_A + R_i = \dots\dots\dots$

2. Potentiometric regulation

		y	x	x^2	x·y
n	U_{AB} with load	$U_{AB} (R=\infty)$ without load	R_1		
[-]	[V]	[V]	[k Ω]	[]	[]
0					
50					
100					
150					
200					
250					
300					
350					
400					
500					
600					
700					
800					
900					
1000					
average:					

a =

R_i =

R_A =