## Вариант 1

2.1.1.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , В | 25 | 30 | 35 | 40 | 45 |
| , В | 20 | 26 | 36 | 44 | 50 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , В | 25 | 30 | 35 | 40 | 45 |
| , В | 18 | 24 | 30 | 38 | 42 |

2.1.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 10 | 50 | 100 | 150 | 230 |
| , В | 30 | 29 | 28 | 26 | 22 | 20 |

2.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 140 | 190 | 260 |
| , В | 30 | 28 | 26 | 27 | 26 | 22 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 140 | 200 | 260 |
| , В | 30 | 29 | 28 | 26 | 25 | 24 |

2.3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 150 | 190 | 250 |
| , В | 30 | 28 | 26 | 24 | 23 | 22 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 150 | 190 |
| , В | 30 | 36 | 40 | 46 | 50 |

при

## Вариант 2

2.1.1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , В | 26 | 30 | 35 | 40 | 50 | 60 |
| , В | 2 | 8 | 15 | 18 | 25 | 29 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , В | 29 | 30 | 35 | 40 | 50 | 60 |
| , В | 2 | 4 | 12 | 14 | 20 | 24 |

2.1.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 15 | 25 | 50 | 75 | 120 |
| , В | 35 | 32 | 30 | 25 | 20 | 12 |

2.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 20 | 40 | 60 | 70 | 90 |
| , В | 35 | 32 | 30 | 28 | 26 | 24 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 20 | 40 | 50 | 60 | 65 |
| , В | 35 | 34 | 33 | 32 | 32 | 31 |

2.3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 20 | 40 | 60 | 80 | 95 |
| , В | 20 | 18 | 16 | 14 | 12 | 10 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 20 | 40 | 60 | 80 | 115 |
| , В | 20 | 20 | 20 | 19 | 18 | 13 |

Предположительно при , но при больших нагрузках система входит в область насыщения и ее характеристика становится нелинейной.

## Вариант 3

2.1.1.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , В | 30 | 40 | 45 | 50 | 55 |
| , В | 10 | 15 | 30 | 40 | 60 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , В | 45 | 50 | 55 | 60 | 65 |
| , В | 10 | 15 | 25 | 30 | 40 |

2.1.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 5 | 15 | 25 | 30 | 40 |
| , В | 25 | 20 | 15 | 10 | 8 | 6 |

2.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 5 | 10 | 15 | 20 | 30 |
| , В | 25 | 20 | 16 | 10 | 8 | 5 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 5 | 10 | 15 | 20 | 30 |
| , В | 25 | 21 | 18 | 15 | 12 | 8 |

2.3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 5 | 10 | 20 | 25 | 30 |
| , В | 25 | 23 | 22 | 21 | 19 | 18 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 5 | 10 | 15 | 20 | 25 |
| , В | 25 | 28 | 30 | 32 | 35 | 37 |

при

## Вариант 4

2.1.1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , В | 27 | 35 | 40 | 42 | 50 | 55 |
| , В | 10 | 14 | 22 | 30 | 38 | 48 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , В | 47,5 | 52,5 | 55 | 60 | 65 |
| , В | 16 | 24 | 30 | 38 | 46 |

2.1.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 10 | 20 | 25 | 30 | 40 |
| , В | 30 | 26 | 22 | 21 | 20 | 15 |

2.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 10 | 20 | 30 | 40 | 52 |
| , В | 30 | 28 | 25 | 23 | 20 | 18 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 10 | 14 | 20 | 24 | 30 | 40 |
| , В | 30 | 24 | 24 | 23 | 22 | 20 | 14 |

2.3.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 10 | 14 | 20 | 24 | 30 | 42 |
| , В | 30 | 28 | 27 | 26 | 25 | 24 | 20 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 10 | 14 | 20 | 24 | 30 |
| , В | 30 | 38 | 43 | 48 | 42 | 45 |

при

## Вариант 5

2.1.1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , В | 3,5 | 3,7 | 3,9 | 4,1 | 4,3 | 4,5 |
| , В | 2 | 2 | 6 | 22 | 40 | 48 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , В | 4 | 4,1 | 4,2 | 4,3 | 4,4 | 4,5 |
| , В | 6 | 12 | 20 | 34 | 42 | 44 |

2.1.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 150 | 200 | 250 |
| , В | 30 | 30 | 26 | 24 | 20 | 16 |

2.2.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 60 | 120 | 180 | 240 | 300 | 360 |
| , В | 30 | 30 | 30 | 28 | 26 | 26 | 24 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 60 | 120 | 180 | 240 | 300 | 360 |
| , В | 30 | 28 | 26 | 26 | 26 | 24 | 24 |

2.3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 150 | 190 | 250 |
| , В | 30 | 28 | 26 | 24 | 23 | 22 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| , мА | 0 | 50 | 100 | 150 | 190 |
| , В | 30 | 36 | 40 | 46 | 50 |

при

## Вариант 6

2.1.1.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , В | 30 | 40 | 50 | 60 | 70 | 75 |
| , В | 5 | 18 | 24 | 28 | 32 | 33 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| , В | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
| , В | 5 | 9 | 11 | 12 | 16 | 18 | 19 |

2.1.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 15 | 30 | 45 | 60 | 75 |
| , В | 20 | 17 | 14 | 11 | 9 | 7 |

2.2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 15 | 30 | 45 | 60 | 70 |
| , В | 20 | 16 | 15 | 13 | 11 | 10 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 15 | 30 | 45 | 60 | 70 |
| , В | 20 | 18 | 17 | 15 | 14 | 13 |

2.3.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 15 | 30 | 45 | 60 | 70 |
| , В | 20 | 18 | 16 | 14 | 12 | 11 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| , мА | 0 | 15 | 30 | 45 | 60 | 70 |
| , В | 20 | 19 | 18 | 17 | 16 | 15 |

На данном стенде не удалось добиться