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| 自准直法测凸透镜焦距 | | | | |
| 物屏的位置/cm | 从左至右移动时透镜的位置读数/cm | 从右至左移动时透镜的位置读数/cm | 透镜的位置/cm | 透镜的焦距f/cm |
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| 实物成像法测凸透镜焦距 | | | | | | | |
| 物屏的位置/cm | 透镜的位置/cm | 从左至右移动时像屏的位置读数/cm | 从右至左移动时像屏的位置读数/cm | 像屏的位置/cm | 物距s/cm | 像距s'/cm | 透镜的焦距f/cm |
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| 共轭法测凸透镜焦距 | | | | | | | | | | |
| 物屏的位置/cm | 从左至右移动时透镜的位置读数1/cm | 从右至左移动时透镜的位置读数1/cm | 透镜的位置1/cm | 从左至右移动时透镜的位置读数2/cm | 从右至左移动时透镜的位置读数2/cm | 透镜的位置2/cm | 像屏的位置/cm | 物屏和像屏之间的距离D/cm | 两次成像透镜位置之间的距离d/cm | 透镜的焦距f/cm |
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| 自准直法测凹透镜焦距 | | | | | | |
| 从左至右移动白屏时凸透镜成像位置读数/cm | 从右至左移动白屏时凸透镜成像位置读数/cm | 凸透镜成像位置x2/cm | 从左至右移动凹透镜使“品”字屏时凹透镜的位置读数/cm | 从右至左移动凹透镜使“品”字屏时凹透镜的位置读数/cm | 凹透镜位置x1/cm | 透镜的焦距f/cm |
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| 虚物成像法测凹透镜焦距 | | | | | | | | | |
| 从左至右移动物屏时A1B1的位置读数/cm | 从右至左移动物屏时A1B1的位置读数/cm | A1B1位置/cm | 从左至右移动物屏时A2B2的位置读数/cm | 从右至左移动物屏时A2B2的位置读数/cm | A2B2位置/cm | 透镜L2的位置/cm | 物距s/cm | 像距s'/cm | 透镜的焦距f/cm |
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