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1 #demo for the 05 compaction testing
2 #by xingzhengwu@163.com
3
4 w1<-c(6.58,11.2,16.4)
5 rhod2<-c(1.852,1.895,1.834)
6 rho33<-c(1.974,2.108,2.135)
7 z1lab<-expression(paste(~italic(w), " (%)", sep=""))
8 z2lab<-expression(paste(~italic(rho)[d], " (g/cm^3)", sep=""))
9
10 plot(w1,rhod2,xlab=z1lab,ylab=z2lab,xlim=c(6,18),ylim=c(1.6,2.3),pch=1,lty=1,lwd=2,type='b'
11 ,col = "darkviolet")
12 lines(w1,rho33,lty=2,lwd=1,col="darkred")
13 points(w1,rho33,pch=3,lwd=1,col="darkred")
14 legend("topright",pch=c(1,3),lty=c(1,2),lwd=c(2,1), legend = c("Dry
15 density","density"),col=c("darkviolet","darkred"),bg="white") #
16 strOut01=("D:/XWUBJ/TeachingHBU/SoilMechanicsLab/PPTWu/") #you need to set up this
17 savePlot(filename = paste(strOut01, "05 plotting of optimum water content.tif", sep=""),
18 type = c("tif"),device = dev.cur(), restoreConsole = TRUE)
19 savePlot(filename = paste(strOut01, "05 plotting of optimum water content.emf", sep=""),
20 type = c("emf"),device = dev.cur(), restoreConsole = TRUE)
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