



Sandia National Laboratories

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subject: On the Use of Dry Erase Markers at National Laboratories

It would appear that many projects carried out at the national DOE laboratories could benefit from some dry erase markers. This report examines the requirements for the use of dry erase markers and gives a few specific examples on how dry erase markers can be used to advance the state of the art.

1 Introduction

In [3] we have shown that dry erase markers have a use in science. In this report we address the use of dry erase markers specifically to the science and engineering performed at the DOE national laboratories. Let us begin with a description of a couple of basic dry erase marker drawings. We use the circle and the square to make our point.

1.1 The Circle

Figure 1 shows one of the basic shapes. It appears in many dry erase drawings and has many important properties.

Whole books have been written about the circle and similar, lesser shapes. So, it would be presumptuous to attempt to even list some of its properties and uses in dry erase marker drawings. Simply admire the shape in Figure 1 and its power will soon engulf you in ideas and beautiful feelings of completeness.

Small Circles

We also need an example of a subsection to make sure titles and table of content entries work for those.

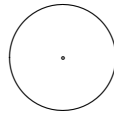


Figure 1. A circle is one of the basic shapes. It has many important properties. Note, for example, that every point along its circumference is at exactly the same distance from the center. A truly important property for a circle.

And while we are at it, we might as well check paragraph spacing. Although, we will do that again in Section 3.

1.2 The Square

Figure 2 illustrates another famous shape. We will show some of its uses in later chapters, but we wanted to introduce it here because this is a good place for another figure.

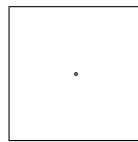


Figure 2. A square is another of the basic shapes. It is not quite as powerful as the circle. It has some similarities (note that the four corners all have the same distance to the center), and has many fine uses in everyday dry erase marker drawing.

1.3 The Dot

We also need a figure with a short caption. In order to do this, we introduce the dot. Figure 3 shows the shape of a dot.



Figure 3. A simple dot

1.4 Tables and Such

In order to test our class file, we also need to have some tables. One should be enough for our purposes, so here it is: Table 1. On second thought, we need another one to test the list of tables with multiple entries. So, we introduce Table 2.

Table 1. This superb table lists a few of the more important shapes and some of their properties. Be aware that this condensed list can by no means describe all the properties or shapes drawable by dry erase markers.

Name	Number of corners	Importance	Shape
circle	0	high	○
square	4	medium	◇
triangle	3	low	△

Table 2. A magic square

1	15	14	4
12	6	7	9
8	10	11	5
13	3	2	16

2 A Section With Subfigures

The subfigure package used to cause problems until James Gruetzner and Todd Pitts found out that the subfigure package uses `addcontentsline`, which is redefined in the SANDreport class. The class uses the `ifthen` package, but it is not loaded at the time the subfigure package uses `addcontentsline`. The new code avoids using the `ifthen` package. Have a look at Figure 4 for an example.

3 A Long Section

We need a long chapter to test full-page formatting. Therefore, we switch to the ancient language of Latin.

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(a) A Hippogriff



(b) A Dragon

Figure 4. Creatures not drawn using dry erase markers.

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4 Conclusions

Of course, no report would be complete without some conclusions. This section is where they would go, if we had some.

Initials: *H.P.*

Key Words: **Dry erase markers**

References

- [1] Tamara K. Locke. Guide to preparing SAND reports. Technical report SAND98-0730, Sandia National Laboratories, Albuquerque, New Mexico 87185 and Livermore, California 94550, May 1998.
- [2] Rolf Riesen. How to be conformant. *Psychology Today and Tomorrow*, 784(3):121–130, 2002.
- [3] John E. Smith. On the use of dry erase markers in science. *Journal of Pen and Pencil*, 784(3):121–130, 2002.

A Historical Perspective

This is an example of an appendix.

A.1 The Past a Long Time Ago

This is where we talk about things so old nobody can verify them. We are safe.

A.2 The Past More Recently

Now we have to be a little bit more careful, since records exist from that time, and some people still alive actually lived back then.

B Some Other Appendix

Just to show what a second Appendix would look like. It contains a table.

Table 3. A small table

A	B
C	D

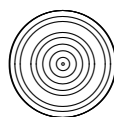


Figure 5. Dizzy yet?

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