

Review of: "Bent Functions and Strongly Regular Graphs"

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Potential competing interests: No potential competing interests to declare.

```
\documentclass[]{article}
```

```
\usepackage{amsmath}
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```
\usepackage[sc]{mathpazo}
```

```
\linespread{1.05}
```

```
\usepackage[T1]{fontenc}\usepackage[utf8]{inputenc}
```

```
\usepackage[official]{eurosym}
```

```
\setlength{\parindent}{0in} \setlength{\parskip}{2ex plus 0.5ex minus 0.5ex}
```

```
\title{\Large Review: Qeios Bent functions and strongly regular graphs by Valentino Smaldore}
```

```
\date{\today}
```

```
\pagenumbering{gobble}
```

```
\begin{document}
```

```
\maketitle
```

This note is based on the results of [Bernasconi](#) and [Codenotti](#) on the interpretation of bent functions in terms of strongly regular graphs. The connection between the Boolean functions and the parameters of the strongly regular graphs is made via [Cayley](#) graphs and the spectrum of their adjacency matrix.

The parameters of the strongly regular graphs on 2^{2k} vertices for $2 \leq k \leq 5$ that characterize the associated bent functions are given. The new content in this short note is Proposition 5.4, which gives an interpretation of the work of [Bernasconi](#) and [Codenotti](#) on bent functions in terms of strongly regular graphs.

The syntax of sentences needs improvement in several instances. Attached is the article with some errors pointed out.

```
\end{document}
```

