**Experimental analysis of seismic performance ……**

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**Abstract:** Early age cracking causing by shrinkage is one of the important factors for the deteriorations of concrete, the extension and extension of cracks can be slowed down or even reduced by adding fibers. ……

**Keywords:** reinforced concrete structure; seismic performance; experimental analysis; ……

**\*\*\*结构抗震性能试验研究[[1]](#footnote-1)**

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摘 要：早期收缩开裂是导致混凝土劣化的重要因素之一，纤维的加入可以延缓甚至减少裂缝的延伸及扩展。通过……研究……。研究结果表明：……。

关键词：钢筋混凝土结构；抗震性能；试验研究；……

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**1 Introduction**

Anaerobic digestion by mesophilic or thermophilic bacteria is traditionally used as a primary treatment for piggery wastewater to reduce organic matter, waste volume, and odors and to recover biogas [1]. However,

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**2 Materials and methods**

**2.1 Test apparatus**

Fig. 1 shows the model testing system…

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Fig. 1 Layout of the model testing system

**2.2 Test materials**

**2.2.1 Surface settlement**

For both surface settlement and subsurface settlement, six tests which can be divided into two groups are performed in this study, respectively (shown in Table 1)

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Table 1 Mix proportion of mortar

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| group | W/C | water/(kg·m-3) | cement/(kg·m-3) | sand/(kg·m-3) |
| A1 | 0 | 0 | 0 | 0 |
| A2 | 0 | 0 | 0 | 0 |
| B1 | 0 | 0 | 0 | 0 |
| B2 | 0 | 0 | 0 | 0 |

**3 Results and discussion**

**3.1 Wastewater**

The experiment was carried out in an incubator …

…

…

**4 Conclusion**

1) In conclusion, …

2) Similar conclusions can be drawn from…

…

…

**References:**

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