

**Improvement of Deformation Performance of Reinforced Concrete Columns with Small
Shear-span Ratio by Using the Steel Jacketing**

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So far, seismic retrofit by using steel jacketing has been made mainly to the RC columns with large shear-span ratio. In this study, we investigated improvement of deformation performance of reinforced concrete columns with small shear-span ratio by using the steel jacketing. As a result, we confirmed that shear strength of RC columns with small shear-span ratio was improved by using the steel jacketing. However, the simple steel jacketing couldn't improve deformation performance. Therefore, we proposed such retrofitting methods as could enhance confinement of the column, and confirmed that deformation performance could be improved.