عنوان فارسی مقاله:
یک مدل ساختاری اصلاح شده برای بتن محصور شده با FRP در مقاطع دایروری و اجرای آن با برنامه نویسی OpenSees

عنوان انگلیسی مقاله:
A modified constitutive model for FRP confined concrete in circular sections and its implementation with OpenSees programming

توجه!
این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک می‌شود.
5 Conclusions

A modified uniaxial constitutive model for FRP confined concrete in circular sections has been proposed and successfully embedded into OpenSees through new material secondary development. With a series of numerical implementations calibrated against test results, the feasibility and accuracy of the proposed modified model were comprehensively verified. Several conclusions can be drawn.

1. The modified model has raised four main modifications based on a prevalent model proposed by Lam and Teng (2003; 2009). The modifications emphasized on the FRP rupture strain, ultimate stress and strain, intercept stress and hysteretic rules have been stated in detail, respectively. It is not only practical and so-called design-oriented, but also of better generality considering the concrete strength and FRP confinement types.