

## **Application Conditions of the Simplified Calculation Method for the Impact Factor of Steel and Composite Structures**

Manabu IKEDA

Munemasa TOKUNAGA

Yusuke KOBAYASHI

The application conditions of the simplified calculation method for the impact factors of steel and composite structures were studied, with a view to relaxing some of them. As a result, it was reconfirmed that the current application conditions are reasonable. For simply supported composite girders, the impact factors calculated using the simplified calculation method were compared with those calculated through the standard calculation method for concrete structures. It was confirmed that the relative magnitudes of these calculated impact factors vary depending on the girder span, natural frequency and train speed.