

## **Evaluation of Lateral Resistance on Continuous Welded Railway Stability in Curves in the Syrian Railway Net<sup>1</sup>**

**Mha. Hajem Alwadi<sup>2</sup>**

### **Abstract**

**Track buckling is formation of lateral misalignments in continuous railway (CWR) . Buckles are typically caused by high compressive forces when the temperatures increase.**

**The target this paper is to evaluate the lateral resistance on CWR stability in curves under the conditions the Syrian railway net and to determine the minimum radius depending upon the numerical solution of the energy equation.**

<sup>1</sup> For the paper in Arabic see pages (39-55).

<sup>2</sup> Ass. Prof. Dep. of Transportation – Faculty of Civil Eng. Damascus University.