



Track sound radiation

Work area 3 Noise and Vibration

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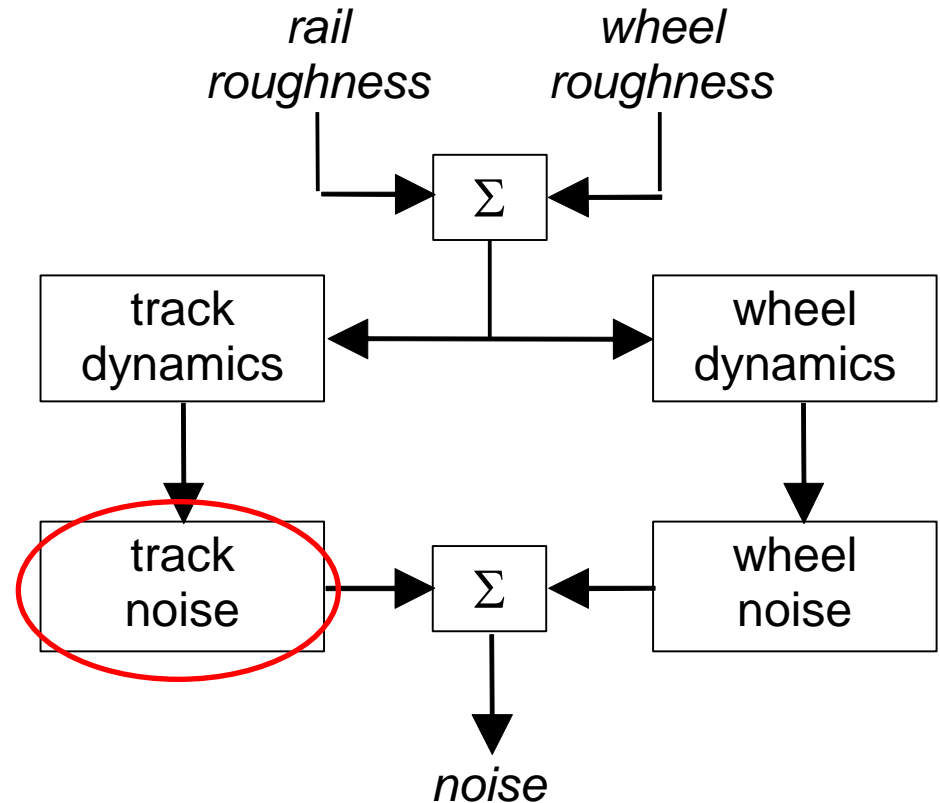
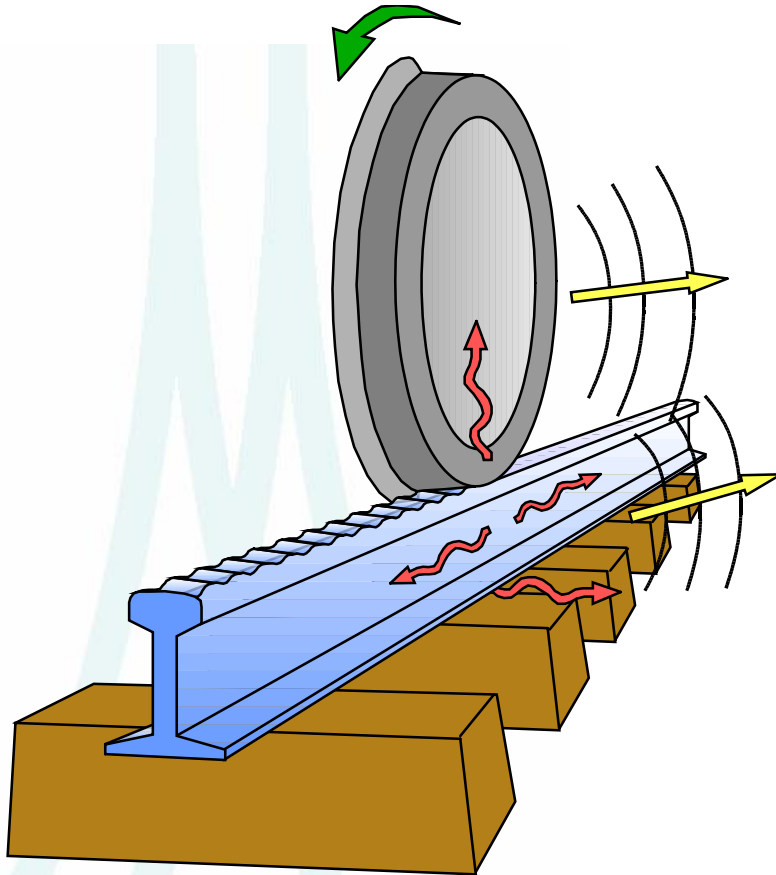
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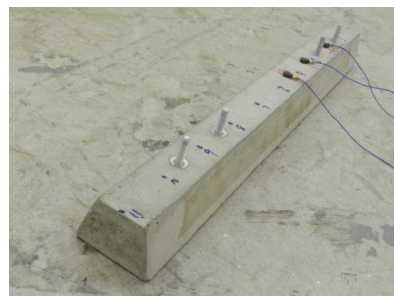
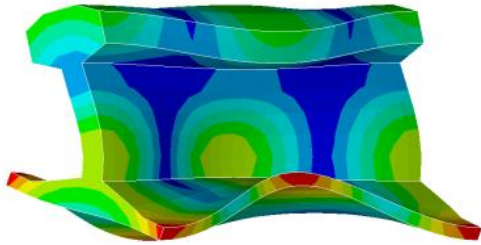
TRACK 21

Railway Track for the 21st Century

What is the problem



How



Boundary element method
Experimental verification

Rail radiation
(Nearly finished)

Sleeper radiation
(Being done)

Ballast vibration
Ballast absorption
(Being done)

Propose a practical model

Predict railway noise

Methodology

Goal