Ian Coleman
Imperial College London
South Kensington Campus
London
SW7 2AZ

24/06/2014

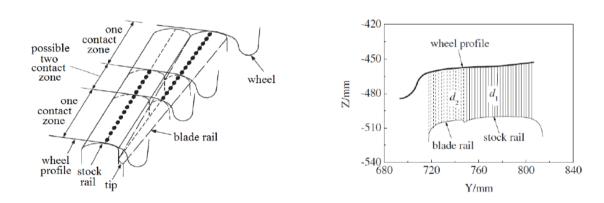
Dear Taylor & Francis,

I have completed my PhD thesis at Imperial College London entitled 'The Development Modelling Tools for Railway Switches and Crossings'.

I seek your permission to reprint, in my thesis two figures from:

## Z. Ren, S. Sun & G. Xie (2010) A method to determine the two-point contact zone and transfer of wheel-rail forces in a turnout. Journal of Veh. Syst. Dyn., 48 (10), pp. 1-19.

The figures to be reproduced include:



I would like to include the figure within the printed examination copy of my thesis and also the electronic version which will be added to Spiral, Imperial's online repository <a href="http://spiral.imperial.ac.uk/">http://spiral.imperial.ac.uk/</a> and made available to the public under a Creative Commons Attribution-NonCommercial-NoDerivs licence.

If you are happy to grant me all the permissions requested, please return a signed copy of this letter. If you wish to grant only some of the permissions requested, please list these and then sign.

Yours sincerely,

Ian Coleman

## Permission granted for the use requested above:

Job title:

I confirm that I am the copyright holder of the figure above and hereby give permission to include it in the
print and electronic version of your thesis. I understand that the electronic version of the thesis will be made
available, via the internet, for non-commercial purposes under the terms of the user licence.
Signed:
Name:
Organisation: