

Analyzing the iron flow of China by using WIO-MFA

Topic: Physical and Hybrid Input-Output Analysis

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This paper analyzes the iron flow of China by compiling an input output table of iron (FeIO) based on the methodology of WIO-MFA. The FeIO shows the iron flows across sectors of virgin resources, materials, products, and secondary resources. Since it is based on currently available IO table, the FeIO inherently has high degree of resolution. The FeIO table of China with 122 sectors is compiled. To demonstrate the material flow embodied in the FeIO, a new approach called main route analysis is proposed to draw a Sankey diagram for the most relevant route of iron flow for any given start point and end point. Meanwhile, the main route analysis is expected to reveal the degree of fabrication.