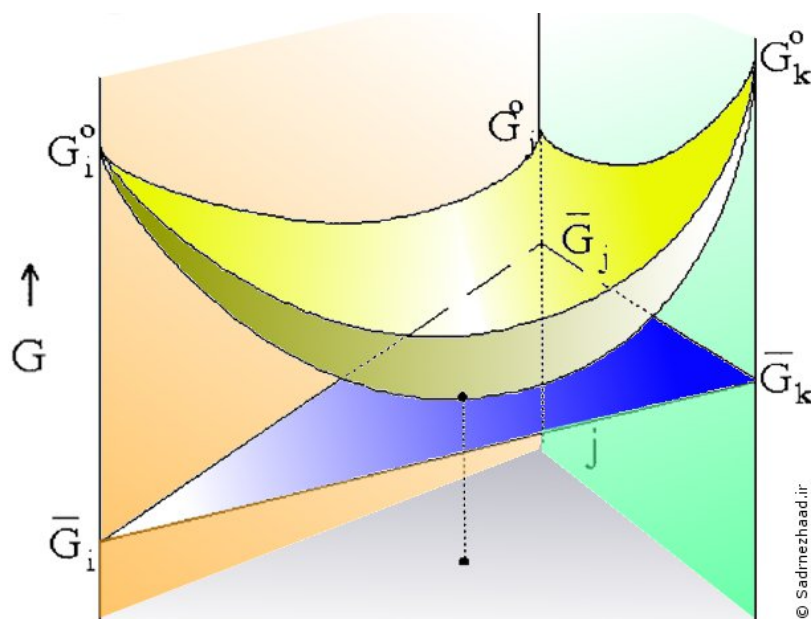
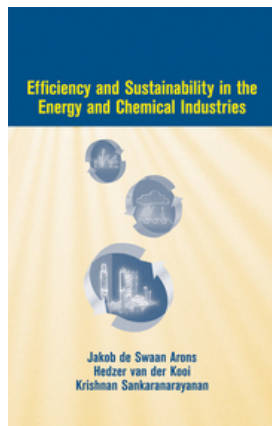


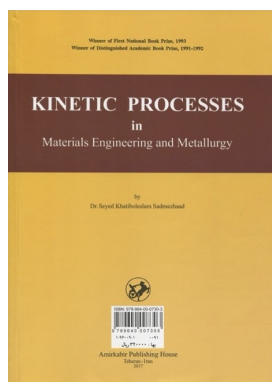
Spring 2010

**Titles:**

- Thermodynamic Laws and their applications in materials systems
- Solutions and alloys
- One, two and three components phase diagrams
- Mass action Law
- Fick's Laws and their applications
- Kinetic models
- Phase transformations
- Practical examples



J.S. Arons, H. Kooi and K. Sankaranarayanan, "Efficiency and Sustainability in the Energy and Chemical Industries", Elsevier Science Ltd, (2009), ISBN 978-0-444-53333-0



S.K. Sadrnezhad, "Kinetic Processes in Materials Engineering and Metallurgy", 3rd Edition, Amir Kabir Publishing House, (2007), ISBN 978-964-346-111-1



C.H.P. Lupis, "Chemical Thermodynamics of Materials", Elsevier Science Ltd, (1983), ISBN 978-0-444-01420-4

**[Instructions](#)**