Isfahan University of Technology (IUT) Department of Civil Engineering
RIVER ENGINEERING 1391-1392 Term II
Assignment #1 River Geomorphology Due: 5/12/1391

---

1 Choose two sets of several reaches of a river in Iran, one set in steep terrain, and the second one in flat terrain. Both reaches should include meandering channels. Using the Google Earth software or any similar software,

(a) Identify and describe all geomorphic features associated with these river reaches. What material do you think the bed and bank consist of? What are the effects of human changes on river geomorphology?

(b) Calculate the sinuosity of the meandering and gradient of each reaches. Make a graph of the relationship between sinuosity and the gradients. Describe in words the results of the graph. Is the relationship linear?