



Study on process based soil erosion simulation technology

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Abstract [U+FF1A] Rainfall and runoff are two most important dynamic factors impacting soil erosion on slope. Process based studies of soil erosion on slope usually need to identify the contribution of rainfall and runoff to the soil erosion. But it is difficulty to measure the rainfall erosion and runoff erosion separately on integrated runoff plot. Based on “sampling” method on slope, this study establishes a set of simulation technology to measure soil erosion on slope caused by rainfall only. A series experiment has been implemented on five soil types with this technology and methods. The result shows that this simulation method can better reflect the rainfall erosion process.