

GIS

eskanian.a@gmail.com

GIS

GIS

GIS
[1,7]
GIS

GIS

(Geographic Information System) GIS

(GIS)

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: GIS

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(GPS)



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DBMS (Database Management System)

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GIS

(Relational)

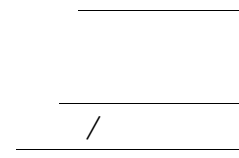
...

GIS

(Object Oriented)

GIS

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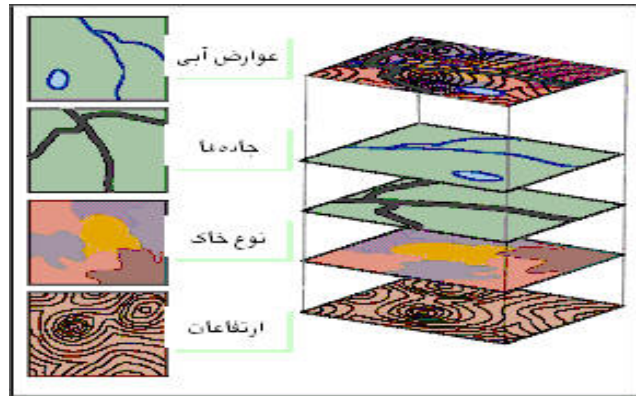
Overlay

GIS

(Overlay)

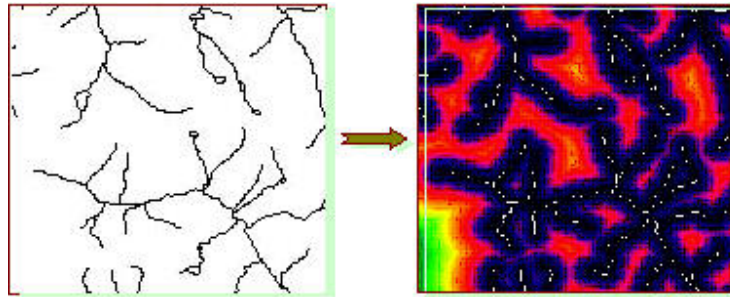
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(Buffering)



GIS

(Image Processing) _____

[2,4]

GIS

... (Classification)

(Visualization)

GIS .

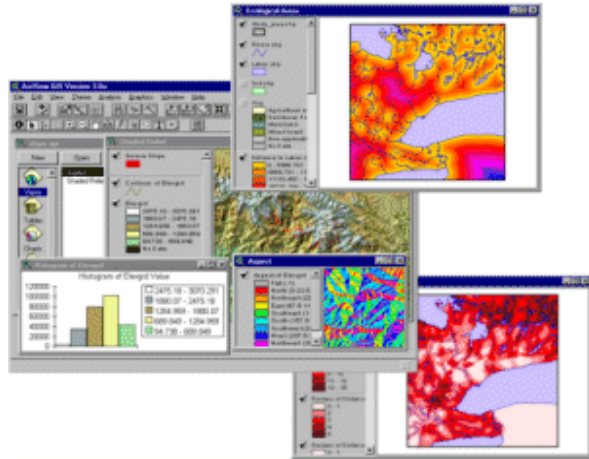
[3]

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GIS

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GIS

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(Remote Sensing)

CAD

GIS

DBMS

DBMS

GIS

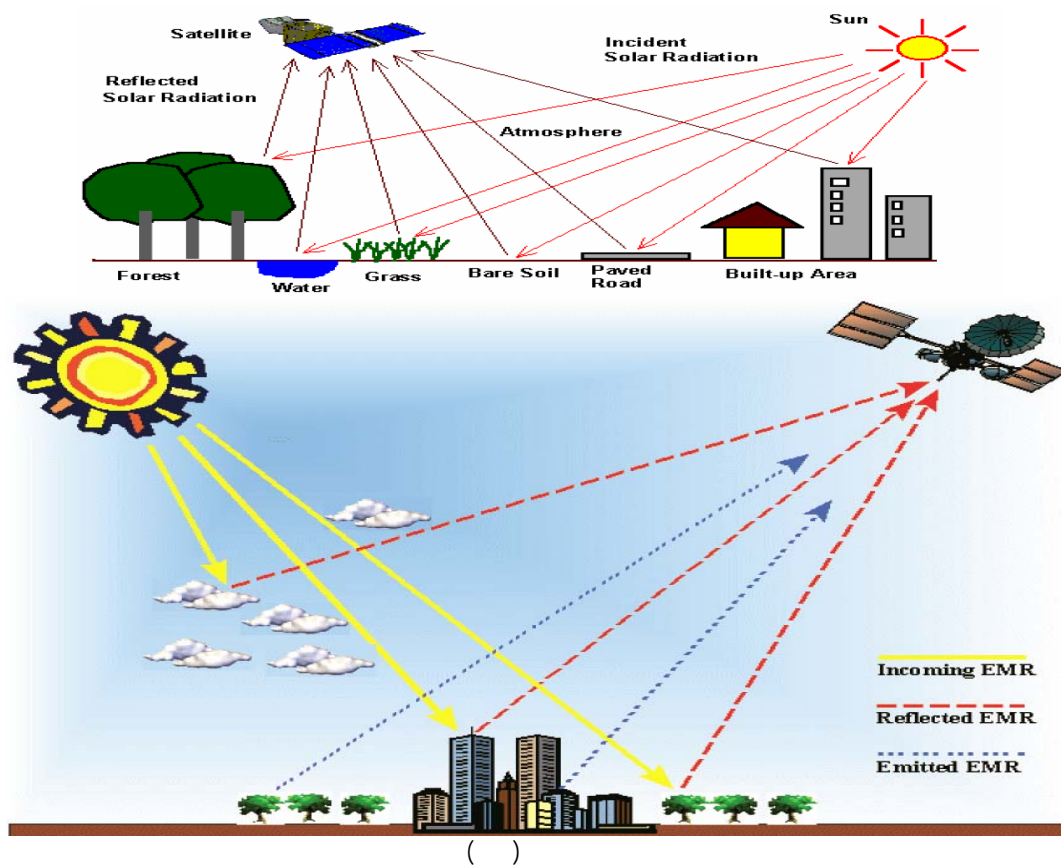
(Remote Sensing) RS

[5]

GIS

RS

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• RBV (Return Beam Vidicon)

MSS (multispectral sensor) TM(Thematic Mapper),

SPOT

IRS (Indian Remote Sensing),

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ERS

MOS (Marine Observation Satellites),

Radar-sat (Radio Detection

(European Remote-Sensing Satellites)

CBERS (China-Brazil Earth

and Ranging-Satellite),

IKONOS

Resource Satellite),

OrbView 2001

QuickBird

(ISRO)

[6]

GIS

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GIS

(Pilot)

(

GIS

GIS

GIS

GIS

GIS

... GIS

GIS

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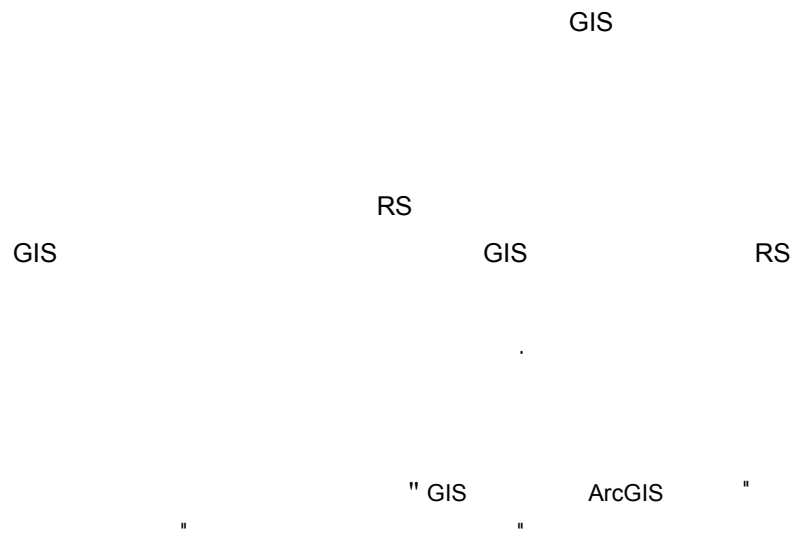
...

GIS

GIS

GIS

(Site selection)



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 4- Jensen, John R., "Introductory Digital Image Processing", Prentice Hall, 2005
 5- Jensen, John R., "Remote Sensing of the Environment: An Earth Resource Perspective", Prentice Hall, 2007
 6- Dean E. Gaddy, "Introduction to Gis for the Petroleum Industry", Pennwell Books, 2003
 7- Ian Heywood, Sarah Cornelius, Steve Carver, "An Introduction to Geographical Information Systems", Prentice Hall, 2002