8-2三重积分的单元作业

1. http://edu-image.nosdn.127.net/C4ABF169C76E7F1A2C2D2CED58A842E0.png?imageView&thumbnail=520x520&quality=100

后式等价于，继而V=2=2=

2. http://edu-image.nosdn.127.net/A665A0B1C97618AD1008A42671641D71.png?imageView&thumbnail=520x520&quality=100

原式==+=+==

3. http://edu-image.nosdn.127.net/0A0C894CF7EE82678BB3861A13B7AE97.png?imageView&thumbnail=520x520&quality=100

利用球坐标系下的积分形式，原式====

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*由可得：球状空间区域的上表面方程为：z(x,y)=，下表面方程为：z(x,y)=，则原式变为：

4. http://edu-image.nosdn.127.net/ED0F6791A4D17C206E3B50BFDD93F8D4.png?imageView&thumbnail=520x520&quality=100

原式==，设r=，则原式====

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