
Subject: Re: Lateral surface of elliptic cone
Posted by [pgrigis](#) on Tue, 12 Apr 2011 20:16:18 GMT
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Unfortunately, that depends on the length of the perimeter of the ellipse, which can't be computed with elementary functions. However the elliptical integrals are not too hard to deal with and presumably can be approximated easily enough...

A formula is given here:
<http://mathworld.wolfram.com/EllipticCone.html>

Ciao,
Paolo

On Apr 12, 3:33 pm, Michael Gilichinsky <gilichin...@gmail.com> wrote:
> Hello group, I would like to create right centered (not oblique) cone
> that has an elliptical base and calculate its lateral surface area. Is
> there an analytical solution or must it be approximated?
>
> I suppose that MESH_OBJ is the starting point but maybe you have
> better ideas...
>
> Cheers
