```
> with(VectorCalculus);
> SetCoordinates( 'cartesian'[x,y,z] );
> LineInt( VectorField( <y-x^2,z-y^2,x-z^2> ), Path( <t,t^2,t^3>, t=
  0.. 1 ),inert )=LineInt( VectorField( <y-x^2,z-y^2,x-z^2> ), Path(
  <t,t^2,t^3>, t=0.. 1 ) );
Warning, the assigned names `<,>` and `<|>` now have a global
binding
Warning, these protected names have been redefined and unprotected:
`*`, `+`, `-`, `.`, D, Vector, diff, int, limit, series
[&x, *, +, -, ., <, >, <|>, AddCoordinates, ArcLength, BasisFormat, Binormal, CrossProd,
    CrossProduct, Curl, Curvature, D, Del, DirectionalDiff, Divergence, DotProd, DotProduct,
    Flux, GetCoordinateParameters, GetCoordinates, Gradient, Hessian, Jacobian, Laplacian,
    LineInt, MapToBasis, Nabla, Norm, Normalize, PathInt, PrincipalNormal, RadiusOfCurvature,
    ScalarPotential, SetCoordinateParameters, SetCoordinates, SurfaceInt, TNBFrame, Tangent,
    TangentLine, TangentPlane, TangentVector, Torsion, Vector, VectorField, VectorPotential,
    Wronskian, diff, evalVF, int, limit, series]
```

$$cartesian_{x,\,y,\,z}$$

$$\int_0^1 2\left(t^3-t^4\right)t+3\left(t-t^6\right)t^2\,dt=\frac{29}{60} \tag{1}$$

```
>
```