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# Necessity of integral formalism

[Yong Tao](#)

(Submitted on 4  
Oct 2010)

To  
describe  
the  
physical  
reality,  
there  
are two  
ways of  
constructing

the  
dynamical  
equation  
of field,  
differential  
formalism  
and  
integral  
formalism.

The  
importance  
of this  
fact is  
firstly  
emphasized  
by C. N.  
Yang in  
case of  
gauge  
field  
[Phys.  
Rev.  
Lett. 33  
(1974)  
445],  
where