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> #
  http://www.mapleprimes.com/questions/220095-How-To-Calculate-This-Integral-With-Maple
  restart; kernelopts(version); #interface(version);
                                Maple 18.02, IBM INTEL NT, Oct 20 2014, Build ID 991181
> Int((abs(sin(2*x))-abs(sin(x)))/x, x = 0 .. infinity);
  value(%): subs(_k=k, %); #simplify(%);
  evalf(%);
  identify(%);

```

$$\int_0^{\infty} \frac{|\sin(2x)| - |\sin(x)|}{x} dx$$

$$-\text{Si}(2\pi) + \text{Si}(\pi) + \left(\sum_{k=1}^{\infty} (-\text{Si}(2\pi k) + (-1)^k \text{Si}(\pi k) - \text{Si}(2\pi k + 2\pi) - \text{Si}(\pi k + \pi) (-1)^k + 2 \text{Si}(2\pi k + \pi)) \right)$$

0.441271200305305

$$\frac{2 \ln(2)}{\pi}$$

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